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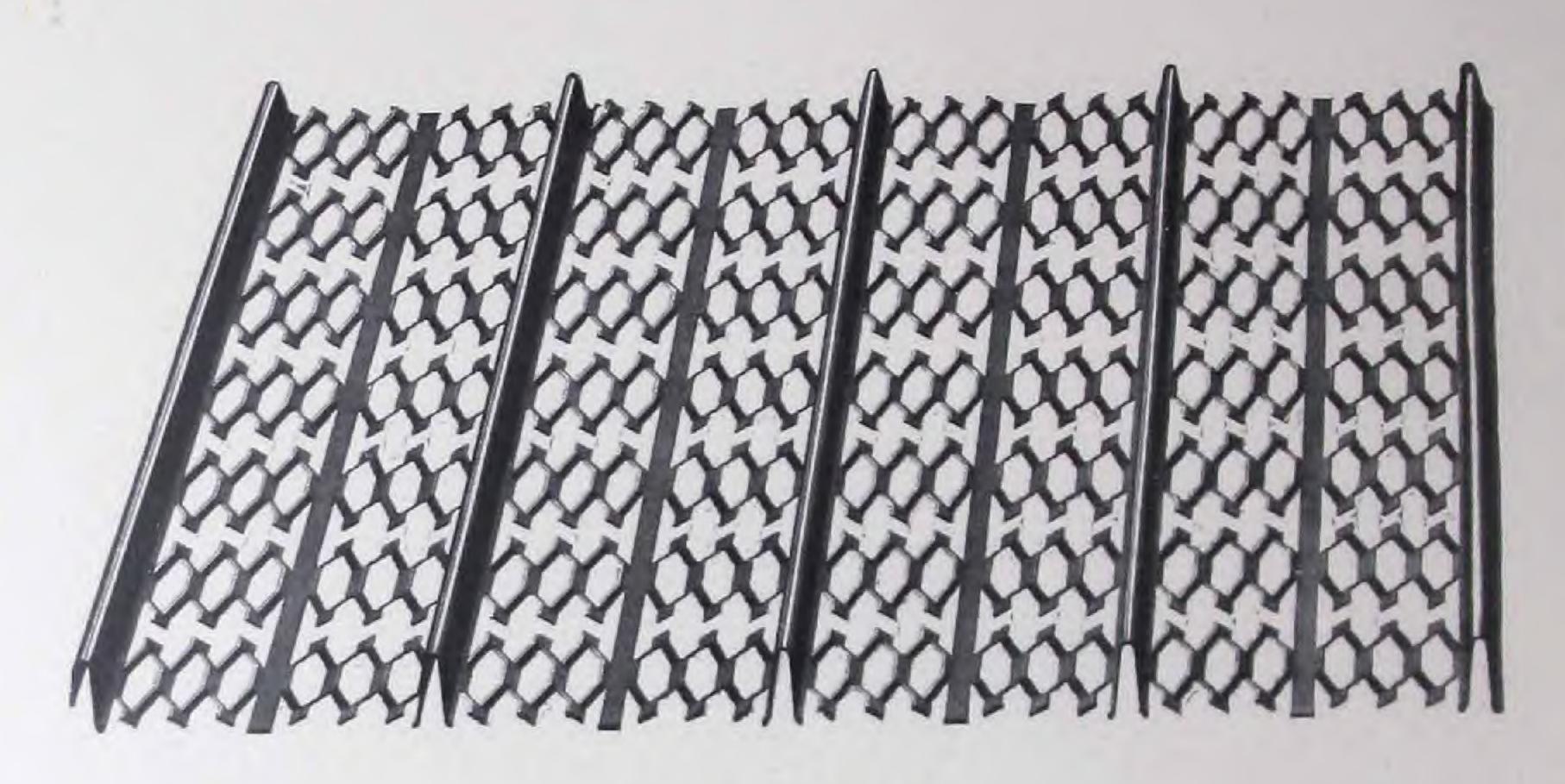
CORR-MESH



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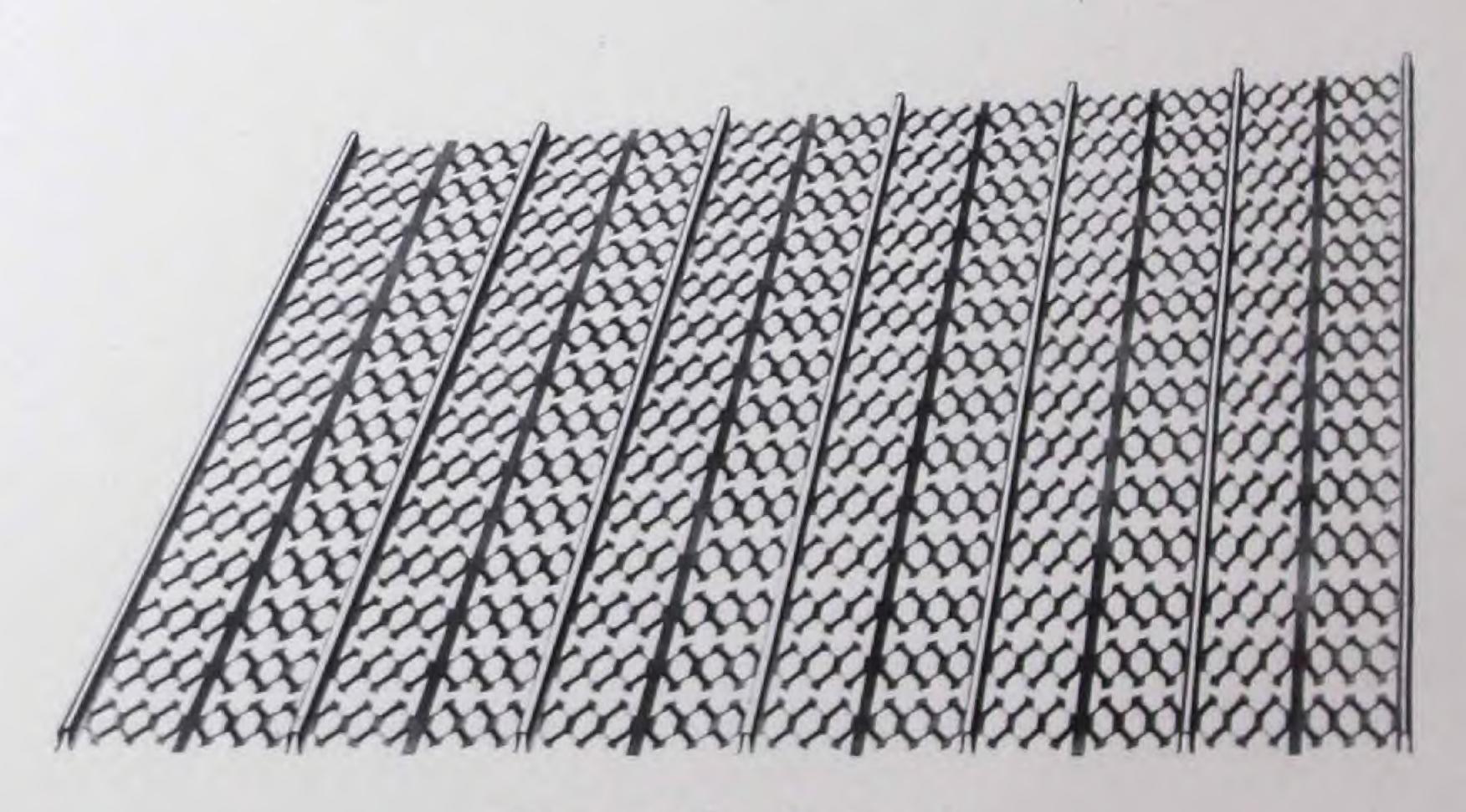
CORRUGATED BAR CO.

BUFFALO N.Y. .



Corr-Mesh

Corr-Mesh is expanded metal with very stiff ribs 34-inch high spaced 314 inches center to center. These ribs are an integral part of the sheet and make an effective reinforcement.



Corr-Mesh Lath

CORR-MESH LATH is made from the same metal as Corr-Mesh—the toughest and strongest sheet metal known. The ribs are 16-inch high spaced 3 inches apart. Corr-Mesh Lath is not as stiff as Corr-Mesh.

Corr-Mesh and Corr-Mesh Lath

for quick, economical fireproof construction as adapted to

Factories

Silos

Garages

Tanks

Residences

Conduits

Outbuildings

Sewers

Fences

Culverts

of Concrete or Stucco

Corr-Bar-O
Waterproofing Products

CORRUGATED BAR CO.

BUFFALO N Y

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Corrugated Bar Company,

Buffalo, N. Y.

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Corr Products

The products of the Corrugated Bar Company are not mere materials manufactured for a market. They are the result of engineering knowledge and experience as applied to the proper adaptation and use of materials for different forms of building construction.

The basis of Corr products is the building itself—the best kind of reinforcement or support for concrete, cement, mortar or plaster required for each individual purpose, consistent with economy, speed of

construction, strength and permanence.

Each one of these products has been designed by engineers and represents an experience of some twenty-four years in expanded metal and reinforced concrete construction in which several hundred million dollars worth of buildings have been erected.

Corr-Mesh and Corr-Mesh Lath

Corr-Mesh and Corr-Mesh Lath are very stiff-ribbed expanded metal—one-piece products, made from the toughest and strongest sheet metal that can be produced. The ribs are 3/4-inch high in Corr-Mesh and 5/16-inch high in Corr-Mesh Lath. The metal between is expanded into a diamond mesh with a piece of plain metal left in the middle for further strengthening.

These two products are very much the same except that Corr-

Mesh having the higher rib is considerably heavier and stiffer.

Corr-Mesh

(See pp. 53-54 for detailed information as to sizes, gauges, etc.)

The ribs, 3/4-inch high, give great strength and stiffness. Corr-Mesh gives firm support to concrete and plaster both during construction and after.

For walls and partitions, Corr-Mesh is plastered both sides with cement mortar, forming a smooth, solid monolithic wall of great strength. The ribs do away with extra studding—a saving in material and labor cost.

For roofs and floors, Corr-Mesh acts as form-work and concrete is merely spread and smoothed down. Corr-Mesh supports the wet concrete; no deck centering is required. This saves approximately 3½ cents per square foot.

Uses of Corr-Mesh

Foundries and light manufacturing plants: Replaces corrugated iron and mill construction. Corr-Mesh is the ideal method of construction for roofs, floors, partitions and exterior walls.

Railroads: Handsome, permanent, fireproof stations, sheds and

wayside buildings in stucco at low cost.

CORR PRODUCTS

Amusement Park Buildings: Corr-Mesh makes possible the only low cost construction on which insurance can be obtained.

Solid Stucco Residences: Beautiful effect obtained at comparatively low cost. Fireproof as far as the walls of the building are concerned.

CORR-MESH is also effectively used for

Farm buildings
Fences
Tanks

Culverts
Tanks

Conduits

and similar construction. The fireproofing advantage is obvious.

CORR-MESH is instantly available for repair work, whether on steel, concrete or wooden frames. Many railways and industrial corporations carry Corr-Mesh in stock.

Many Advantages

CORR-MESH greatly reduces the amount of labor. It does away with the old methods of deck centering in roof and floor work, and the extra studding and labor of wiring in partitions. Corr-Mesh increases the speed of erection. Special labor-saving tools and devices for attaching Corr-Mesh to all kinds of framework (see page 57–59).

CORR-MESH constructions are light in weight, saving in the cost of

supporting framework.

CORR-MESH construction costs less than any other construction giving equal permanence and general utility.

Corr-Mesh Lath

(See pages 55-56 for detailed information as to sizes, gauges, etc.)
Lighter than Corr-Mesh but made on the same principle. The ribs

are $\frac{5}{16}$ -inch high.

Corr-Mesh Lath is used extensively for ceilings, where it greatly reduces the material required in the supporting framework, and cuts down the cost of erection. In stucco construction it eliminates furring strips and makes a strong and permanent reinforcement for the plaster covering.

Uses of Corr-Mesh Lath

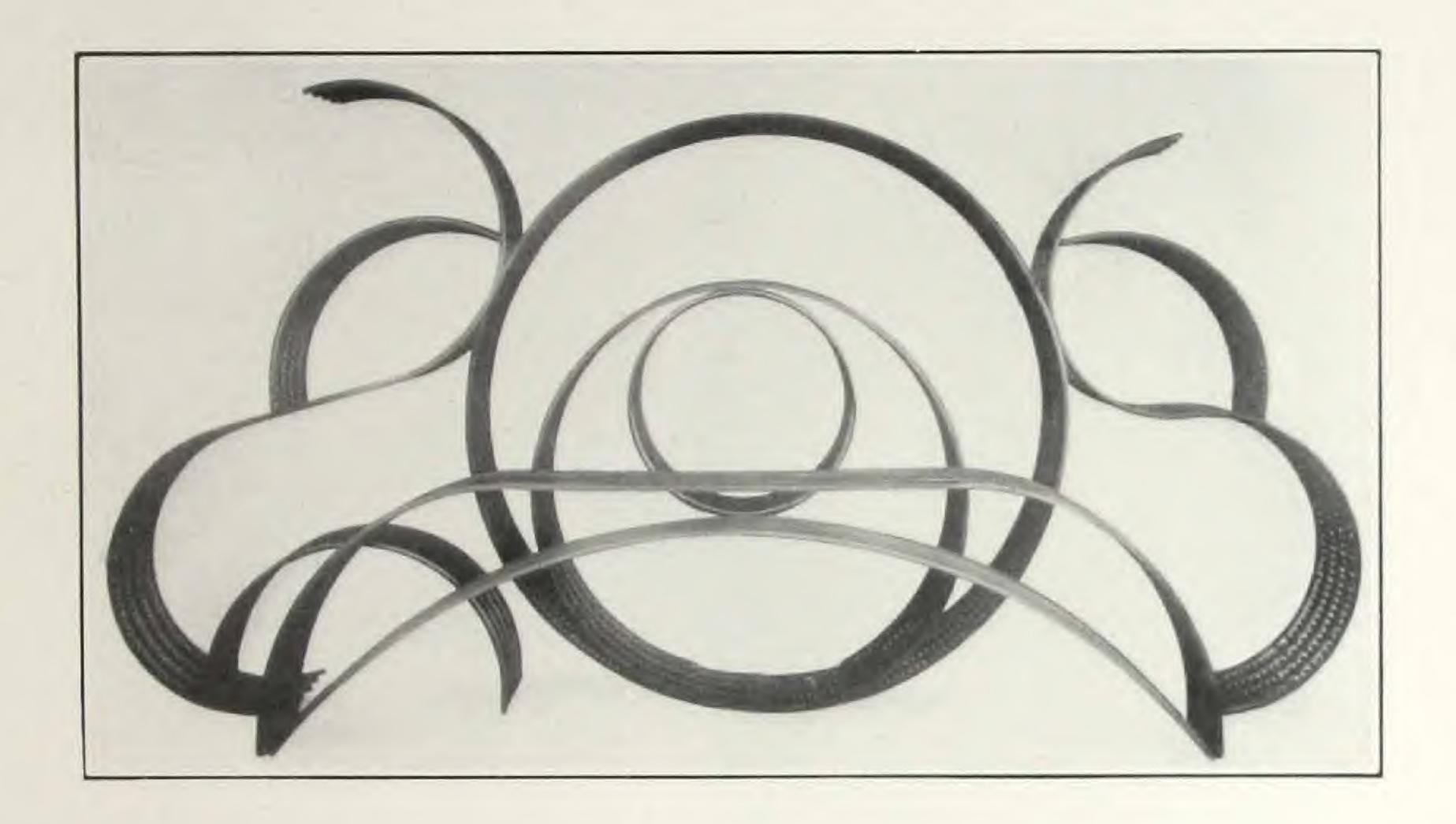
Besides the above named applications, Corr-Mesh Lath is used in

Stucco Veneer residences Culverts Conduits

Farm buildings Tanks and similar construction.

Fences Sewers

In the following pages are descriptions and illustrations of the applications of Corr-Mesh and Corr-Mesh Lath to various uses, also a supplement on labor-saving tools and fittings and Corr-Bar-O Water-Proofing products.



Curved Corr-Mesh

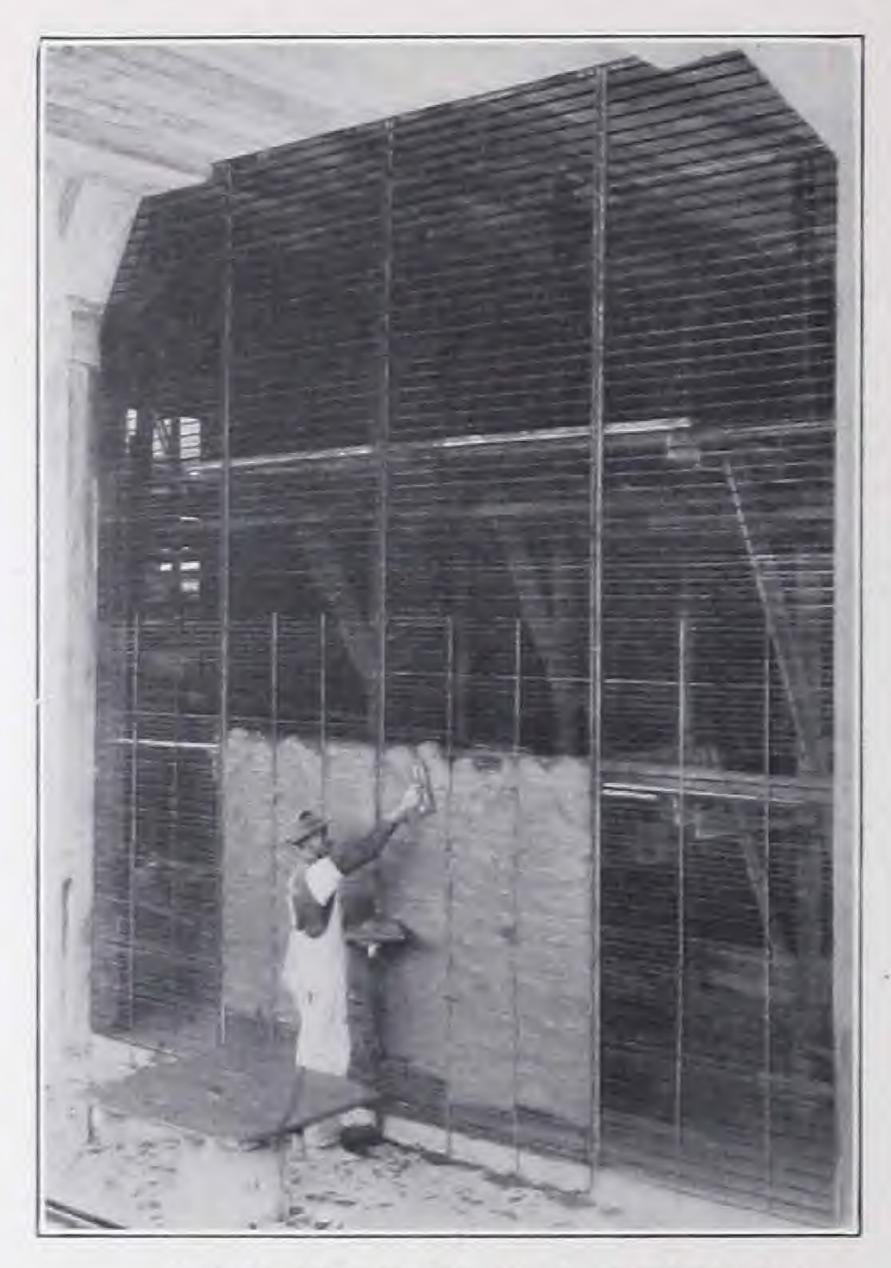
Corr-Mesh can be curved at the factory to any radius over 12 inches.

The above illustration shows a few samples of curved Corr-Mesh. The curvature is uniform and the ribs may be on either the inside or the outside.

Curved Corr-Mesh is especially adapted for any construction where it is necessary to concrete or plaster a curved surface. In reinforced concrete sewers, conduits, arched floors and similar construction, the Corr-Mesh acts both as reinforcing material and form work, eliminating the expensive curved centering usually required for such work. It is also extensively used for curved roofs, domes, alcoves, and other constructions which require simple or groined arches, and other curves for walls and ceilings.

The cost of curving the Corr-Mesh sheets is low. Curved Corr-Mesh is crated for shipment, and arrives in perfect condition.

Solid Partitions



HIGH CORR-MESH PARTITIONS
Atlanta Joint Terminals Building, Atlanta, Ga.

CORR-MESH, with ribs 3/4 inch high, plastered on both sides, forms solid two-inch partitions of great strength and economy.

Their light weight (20 pounds per square foot) cuts down the total weight of building.

They save in floor area (2% in office buildings and 4% in hotels and apartment houses). They are absolutely fireproof, and the strongest of all the standard fireproof partitions used in Class A buildings. They are more nearly sound proof than any other kind of partition except hollow-tile. This was shown by a series of tests made on 2-inch solid partitions at the Chicago Music Building.

Easy to Build

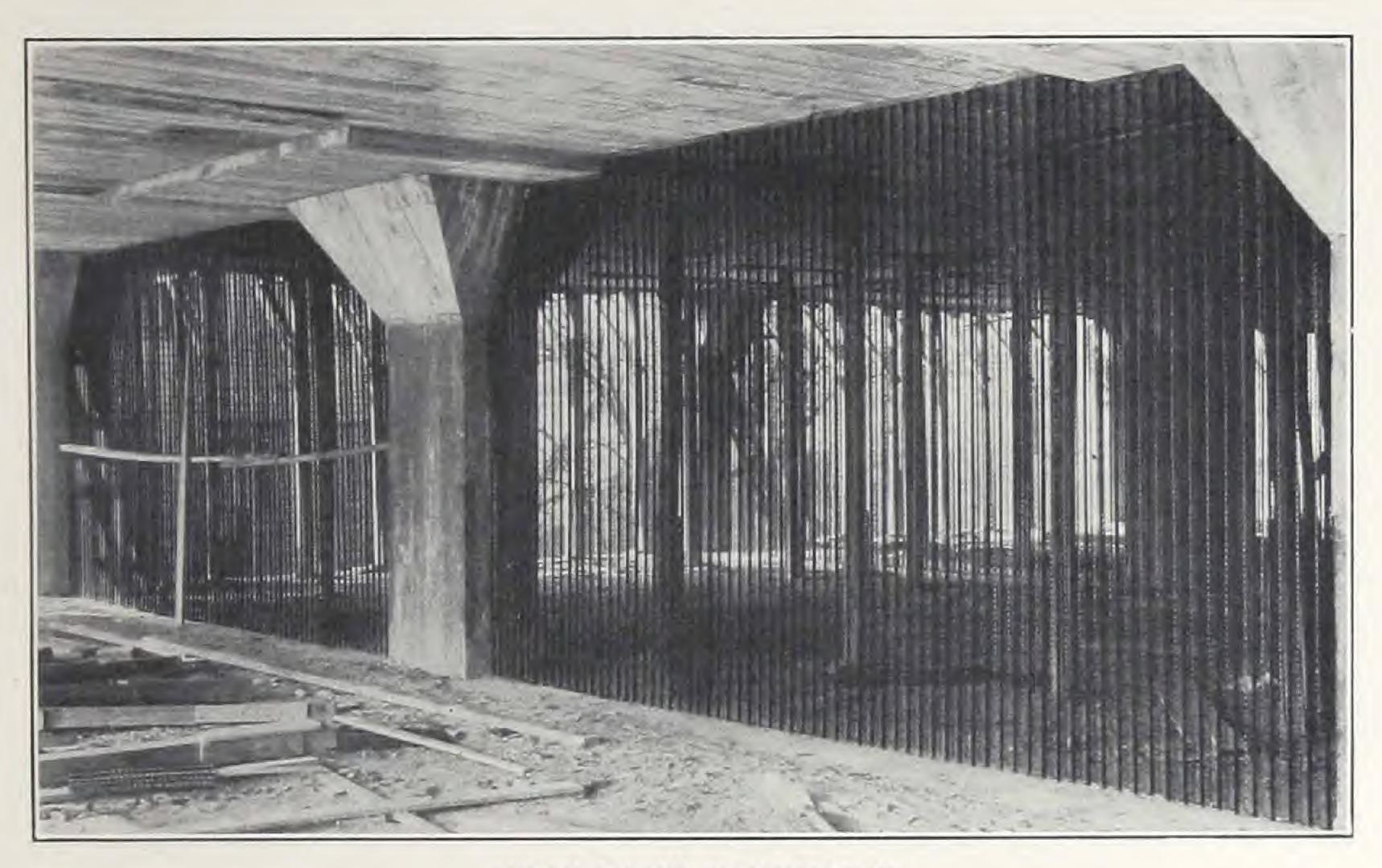
CORR-MESH is stud and lath in one piece. The ¾-inch ribs act as studding. The end ribs of adjacent sheets interlock, forming a continuous sheet which is "up-ended" as a unit and secured top and bottom. Special fastenings make this quick and easy. Any standard lime or patent plaster is easily applied with no waste of material.

Lime plaster has a much greater sound-proofing efficiency than the patent plasters but, if used, it should be gauged with 10% Portland cement.

Corr-Mesh partitions are like a solid slab of stone with the added strength and toughness of steel reinforcement. They have come into wide use in apartment houses, hotels, warehouses, factories and all classes of industrial buildings.

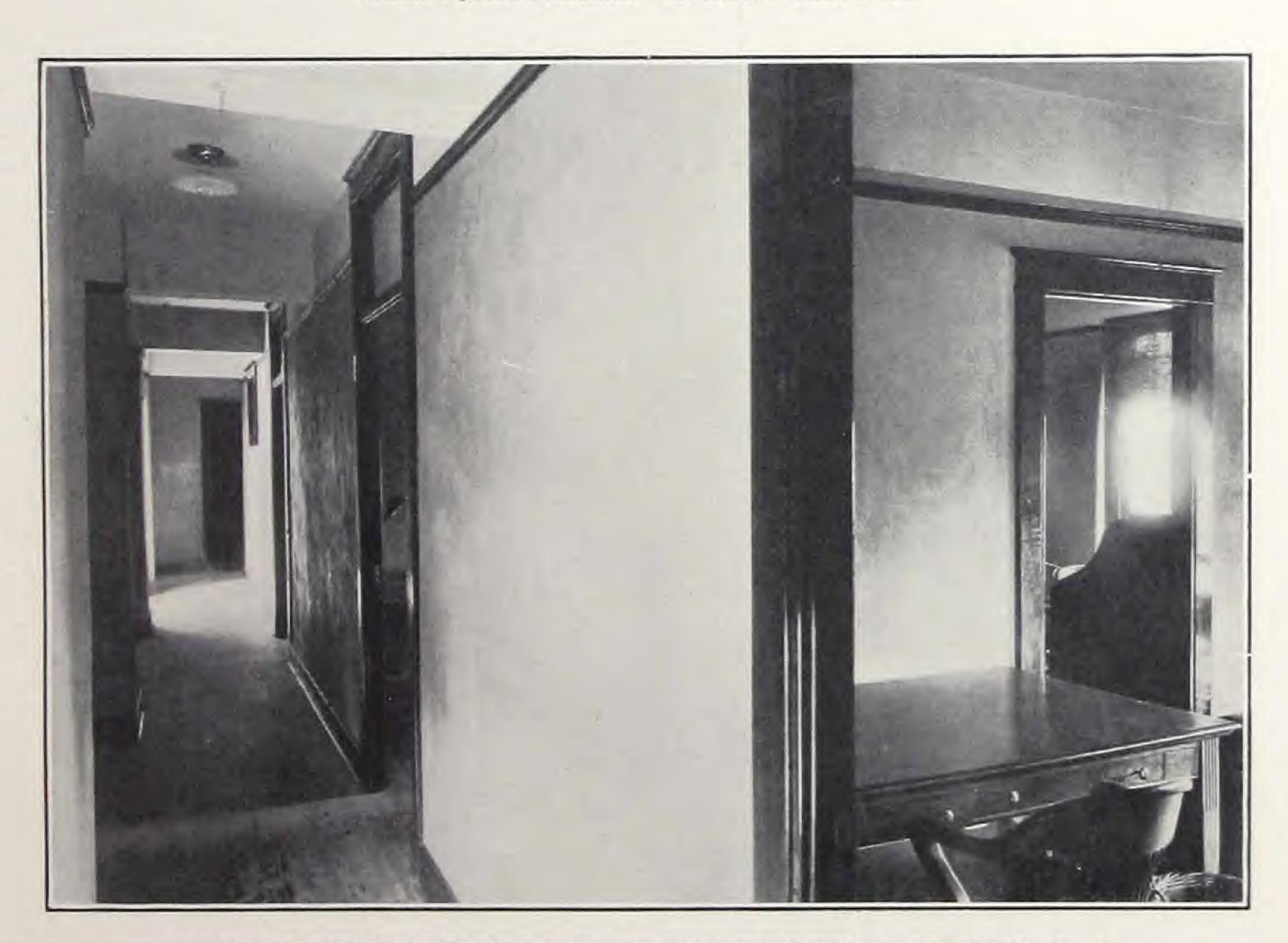
For designing details and specifications, see pages 12-14.

SOLID PARTITIONS



CORR-MESH PARTITIONS

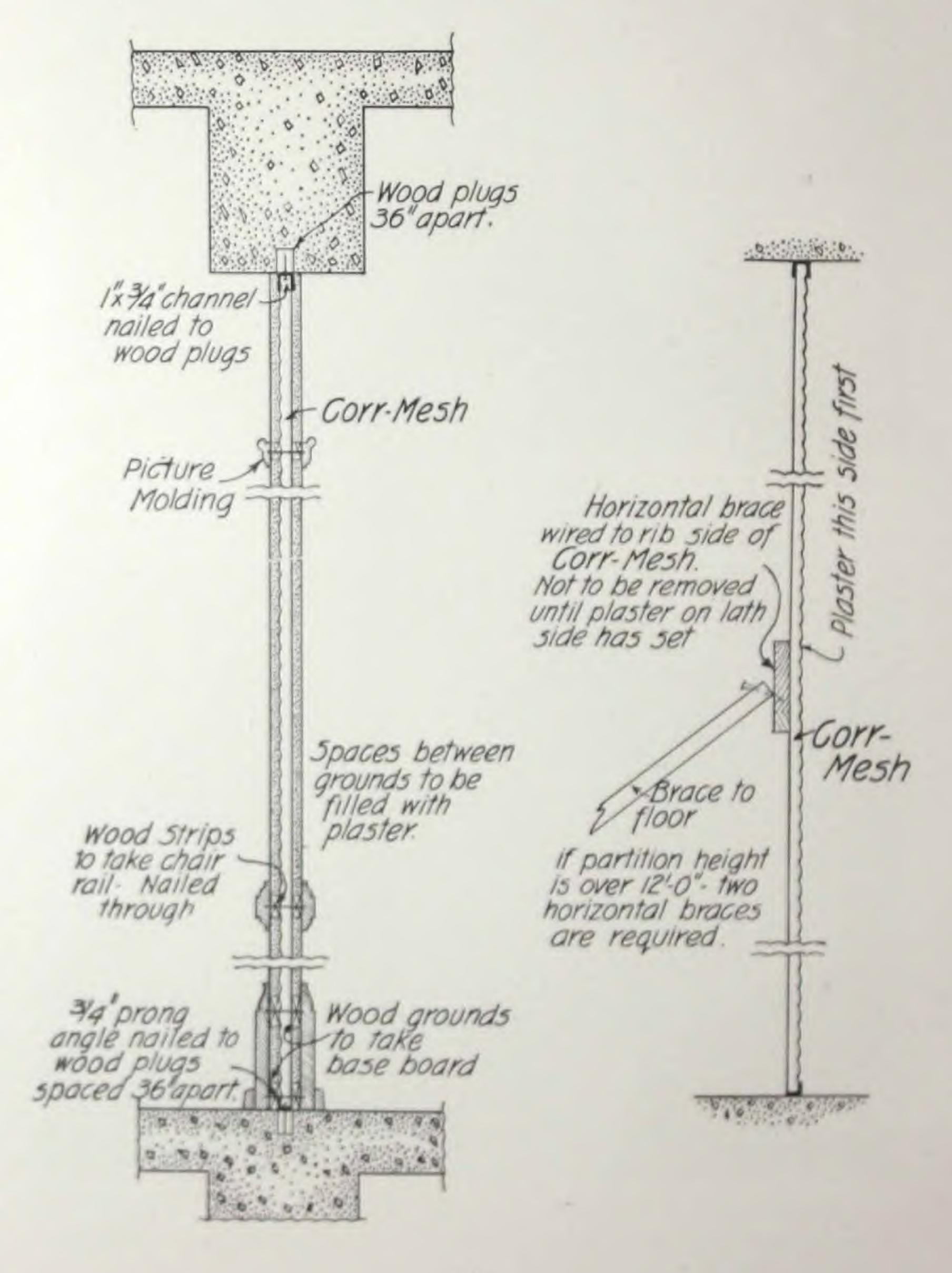
Atlanta Joint Terminals Building, Atlanta, Ga.

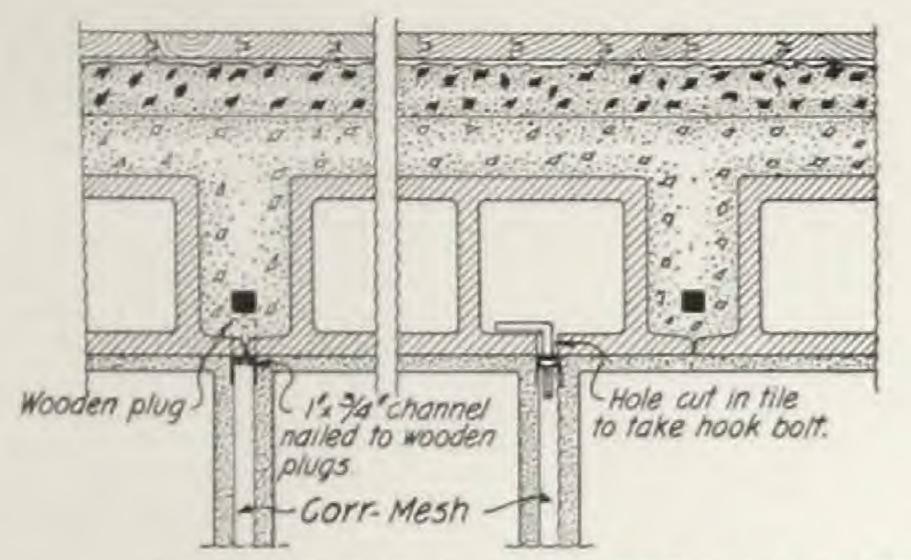


CORR-MESH PARTITIONS, WALDORF BUILDING, ALBANY, N. Y.

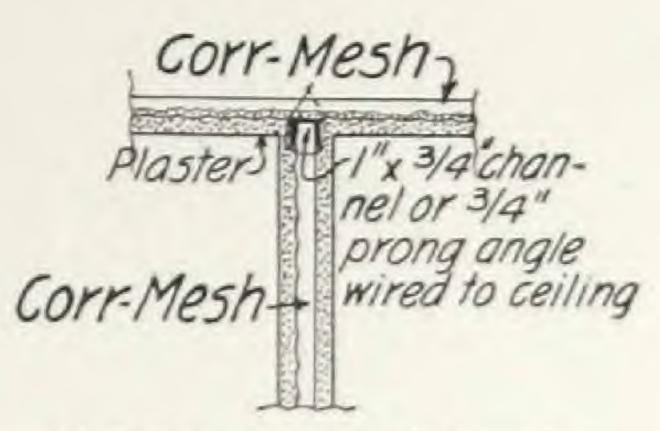
W. H. Van Guysling, Architect

Morris Kantrowitz, Contractor

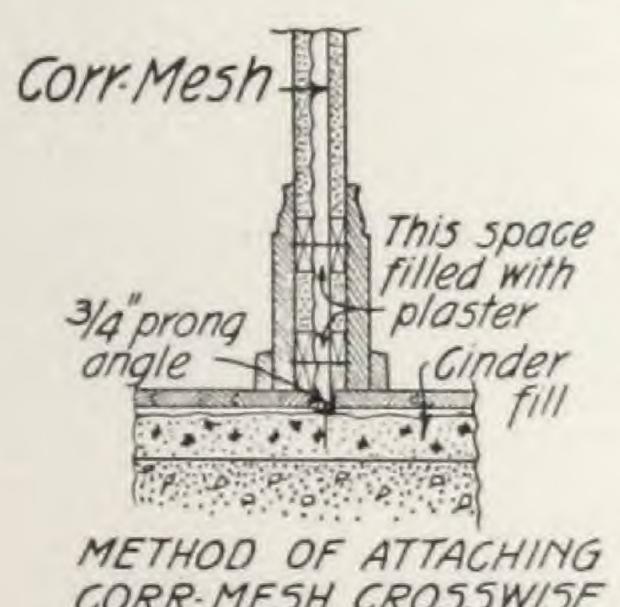




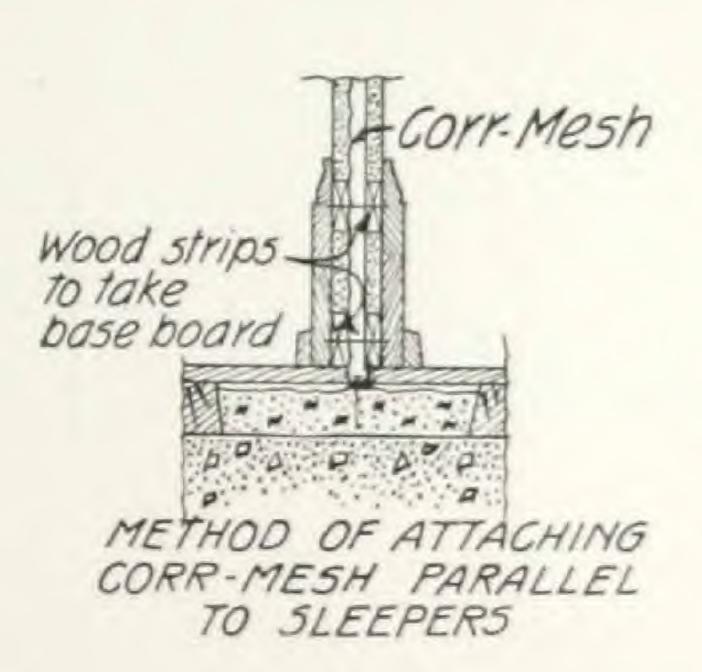
Two Methods for attaching Gorr-Mesh TO SUSPENDED CEILING Partitions to Hollow Tile Ceiling.

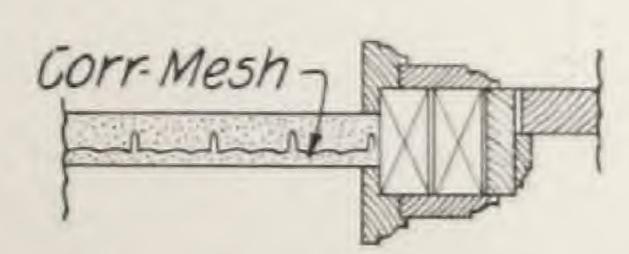


METHOD OF ATTACHING CORR-MESH PARTITIONS

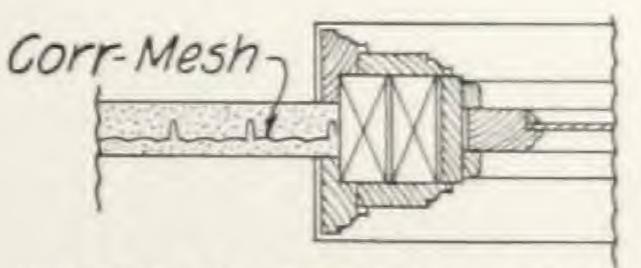


CORR-MESH CROSSWISE OF SLEEPERS

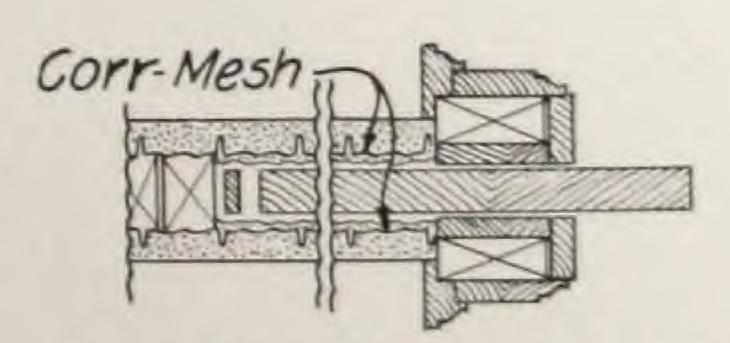




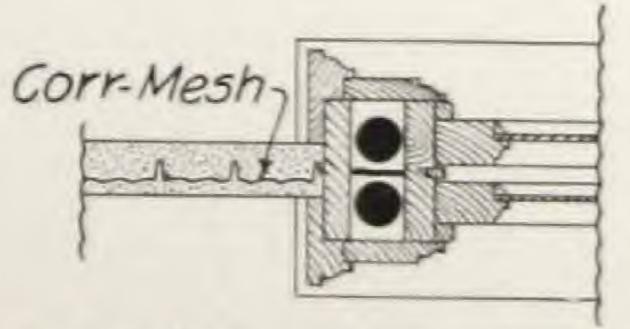
HORIZONTAL SECTION THROUGH DOOR JAMB



HORIZONTAL SECTION THROUGH FIXED SASH



HORIZONTAL SECTION THROUGH SLIDING DOOR JAMB.



HORIZONTAL SECTION THROUGH SLIDING SASH

SOLID PARTITIONS

Specifications

Corr-Mesh

Fastening Partitions

Details of attachment to floor and ceiling are shown on pages 12 and 13.

Splicing Corr-Mesh

Where partitions are of such a height that it is necessary to make end splices, sheets shall lap 2 inches where the laps come directly over a permanent supporting framework. If laps do not come at the permanent support, each rib shall be punched or wired tightly at both ends of all laps, which shall be at least 4 inches if they break joints, or not less than 8 inches if they do not break joints.

High Partitions

If partitions are more than 18 feet high, some standard framing shall be provided. This framing is usually of light structural steel angles, tees or channels. When a framing is required, it may be advisable to run the ribs horizontally instead of vertically.

Plastering

Before plastering, place temporary horizontal shoring on rib side at middle of height of partition; plaster on lath side first, then, after first coat has set, remove shoring and plaster on rib side.

Plaster

Use any standard lime or patent wall plaster prepared for use on metal lath. If lime plaster is used, 10 per cent. Portland cement shall be added for strength, and long cow hair, of good quality, shall be mixed in the plaster for the first coat on each side, in the proportion of 1 pound of hair for each sack of cement.

Table III—Corr-Mesh Partitions

HEIGHT	GAUGE CORR-MESH 3/4-INCH RIBS	THICKNESS OF PARTITION
Up to 8'-o"	28	13/4"
8'-o" to 12'-o".	- 28	2"
12'-0" to 13'-0"	26	2"
13'-0" to 14'-0"	26	21/4"
14'-0" to 15'-0".	26	21/2"
15'-0" to 16'-0"	24	21/2"
16'-0" to 17'-0".	24	23/4"
17'-0" to 18'-0".	24	3"



Corr-Mesh Lath Partitions

Corr-Mesh Lath (with ribs $\frac{5}{16}$ -inch high) is especially adapted for the construction of double partitions and solid partitions over eighteen feet high.

The stiffness and close spacing of the ribs permit the supports to be placed from 26 inches to 40 inches center to center (see Table IV on next page). This makes a great saving in the cost of both the material and the erection of the studs.

The Corr-Mesh Lath forms a good, stiff, smooth surface, which has no tendency to wave while being plastered, and permits the plasterers to work with maximum speed, using a minimum quantity of material.

For fireproof construction, small steel or sheet metal channels or rolled angles can be substituted for the wood studs shown in Fig. 7 on the next page.

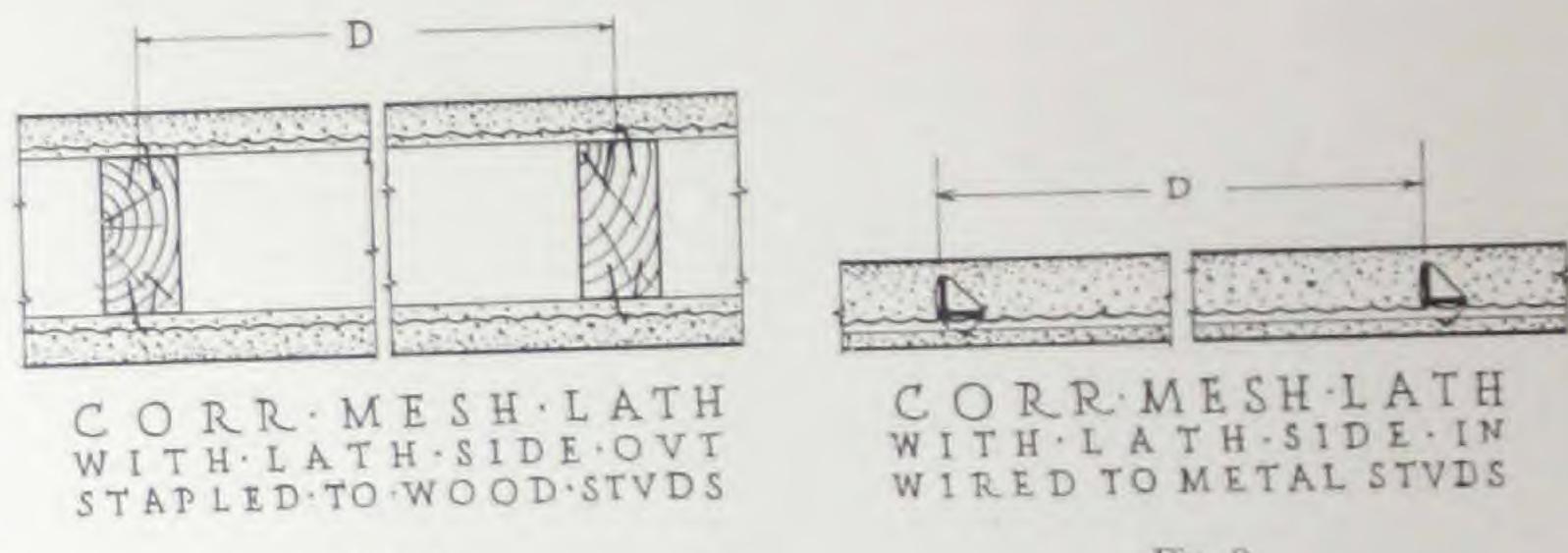


Fig. 7

Fig. 8

Specifications

Corr-Mesh Lath

CORR-MESH LATH of gauge (for proper gauge, see Table IV below), with ribs $\frac{5}{16}$ -inch high spaced not more than 3 inches center to center, shall be used for double partitions and solid partitions over feet in height. Outside ribs of adjacent sheets shall be interlocked and wired tightly every 24 inches with No. 16 galvanized wire.

Splicing Corr-Mesh Lath

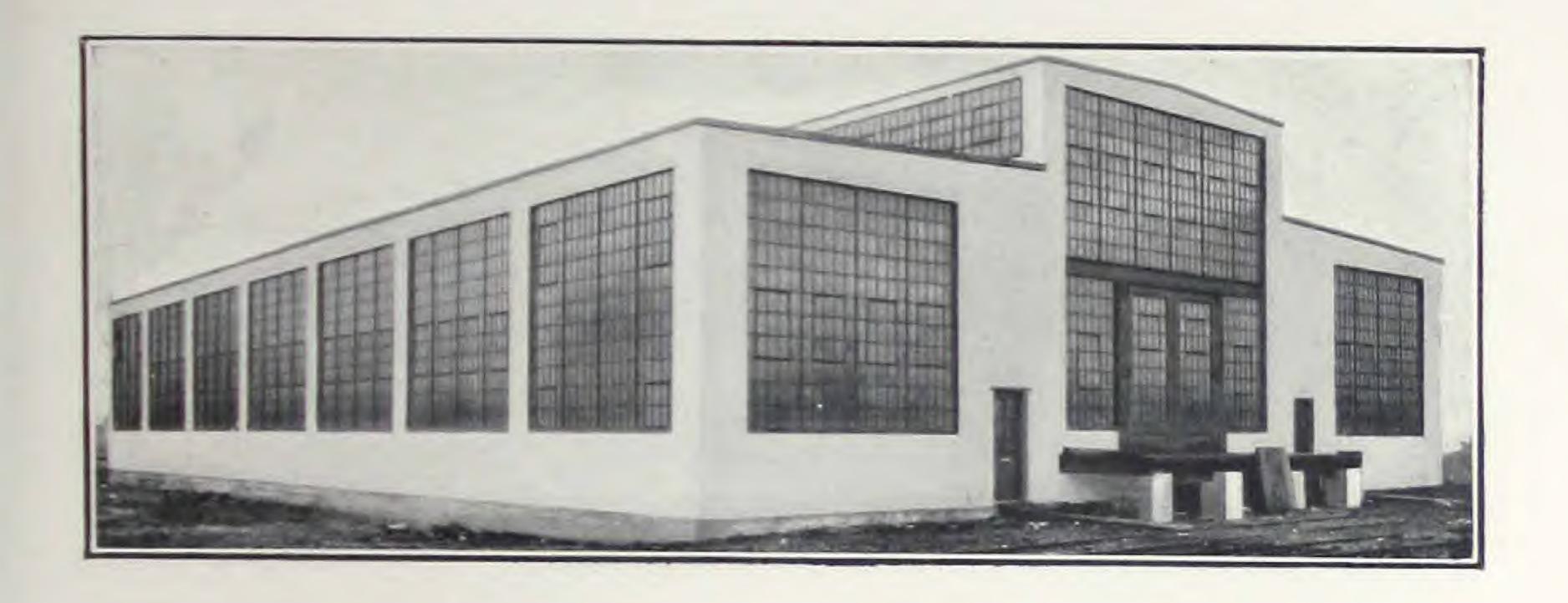
End splices shall not be less than 2 inches where the laps come directly over a permanent supporting framework. If laps do not come at the permanent support, laps shall be not less than 4 inches, and every second rib shall be wired tightly at both ends of all laps, and laps shall break joints.

Plaster

See plaster specifications for Corr-Mesh Partitions, page 14.

Table IV—Distance Between Supports for Corr-Mesh Lath Partitions and Walls

GAUGE CORR-MESH LATH $\frac{5}{16}$ -INCH RIBS	DISTANCE "D" CENTER TO CENTER OF SUPPORTS FIGURES 7 AND 8
24	40 inches
26	32 "
28	26



Exterior Walls

*Steel and Reinforced Concrete Framing

For foundries and industrial buildings, Corr-Mesh walls are much better than corrugated iron because there are no maintenance and renewal costs. They cost about two-thirds as much as 9-inch brick curtain walls or porous non-waterproof concrete block walls, and considerably less than 4-inch poured reinforced concrete walls without waterproofing.

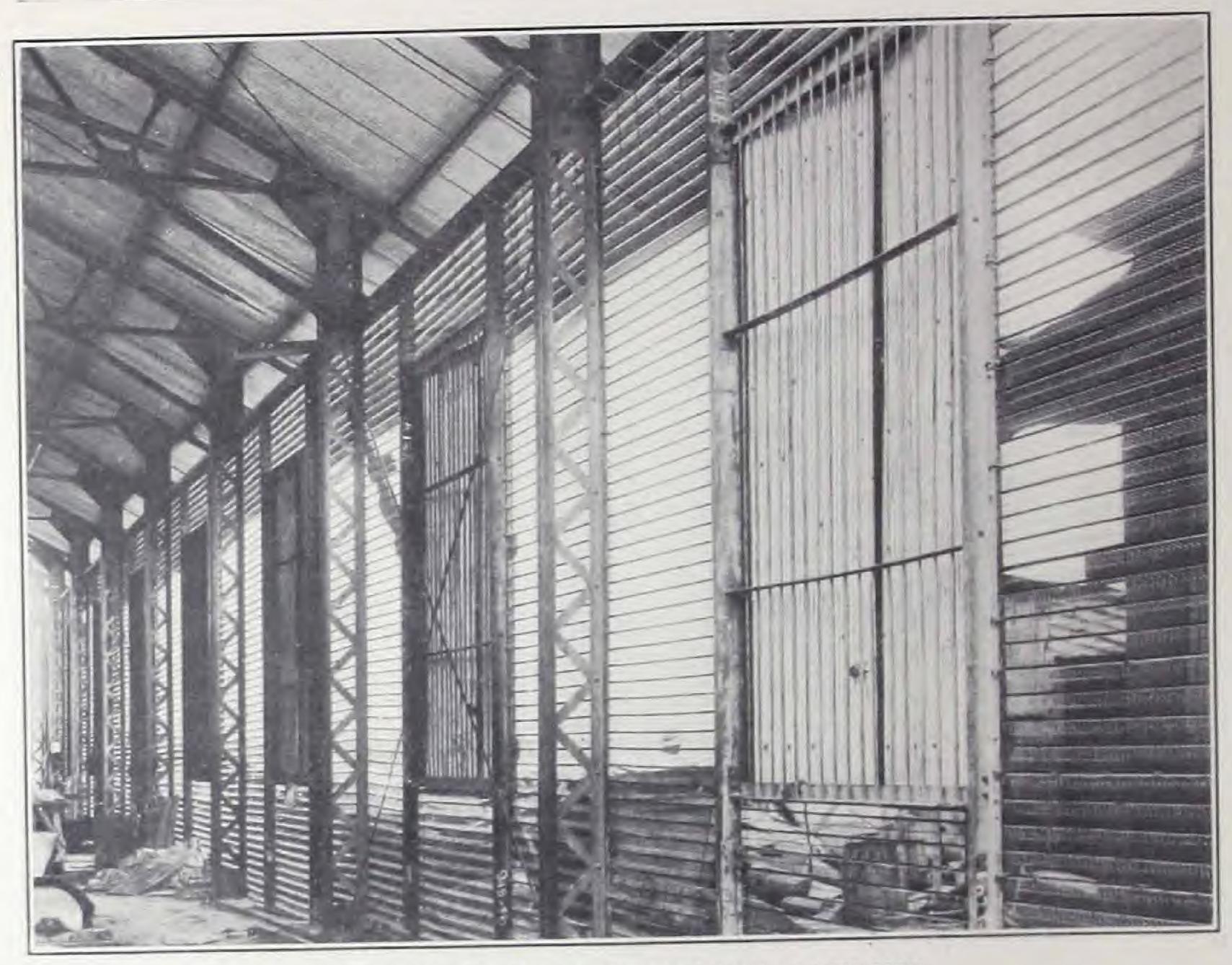
Corr-Mesh is rigidly attached to the outside of the frame and plastered inside and out to a total thickness of two inches with Portland cement, gauged with lime. The ribs do away with extra studding—a saving in material and labor cost.

Corr-Mesh gives, for a very low cost, an exterior which, for beauty and solidity and permanence is much better than any other type of construction.

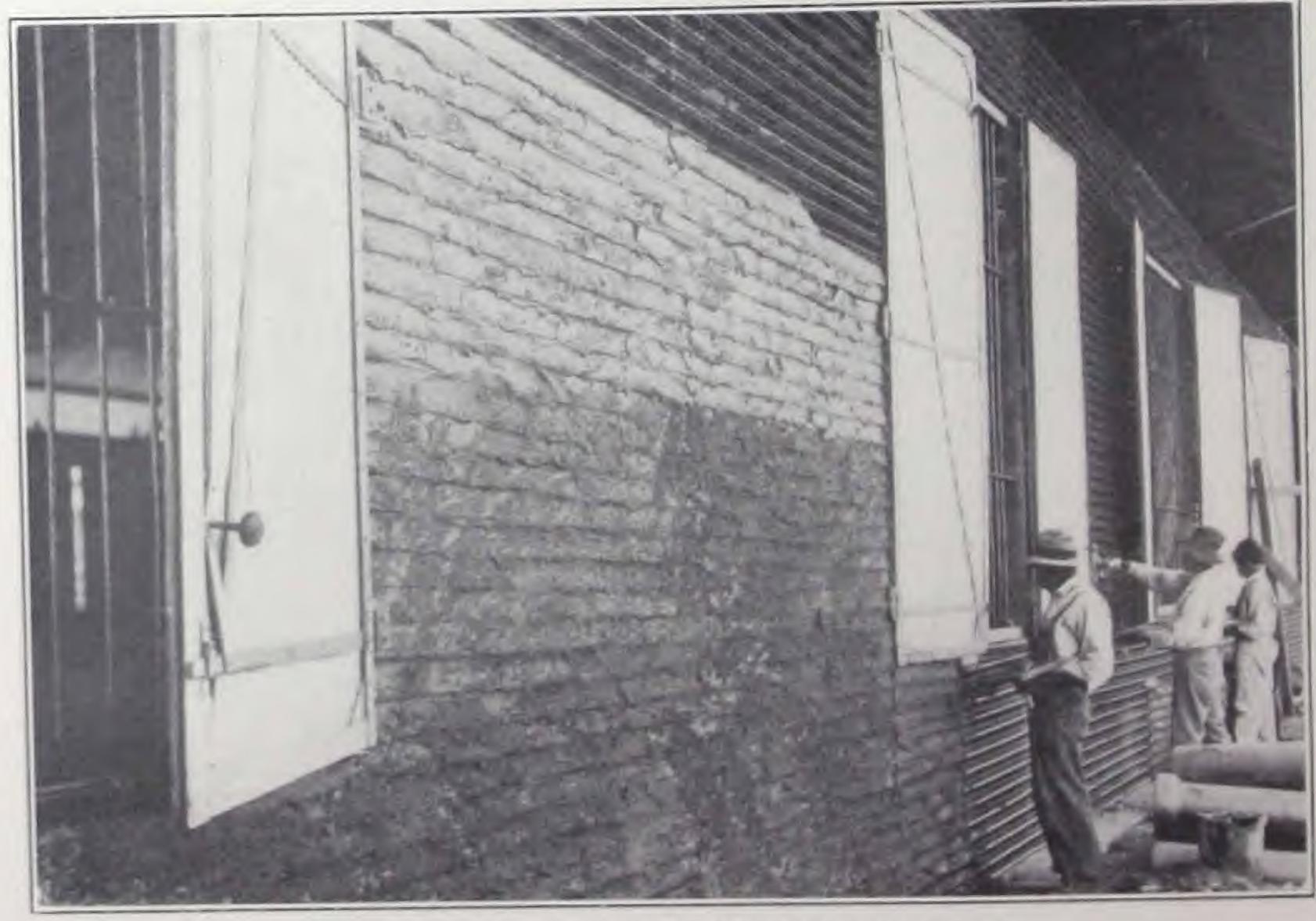
For designing details see pages 20 and 21. For complete specifications see pages 22 and 23.

^{*}NOTE.—For exterior walls on wood framing, see Stucco Residences, pages 39 to 42.

WALLS

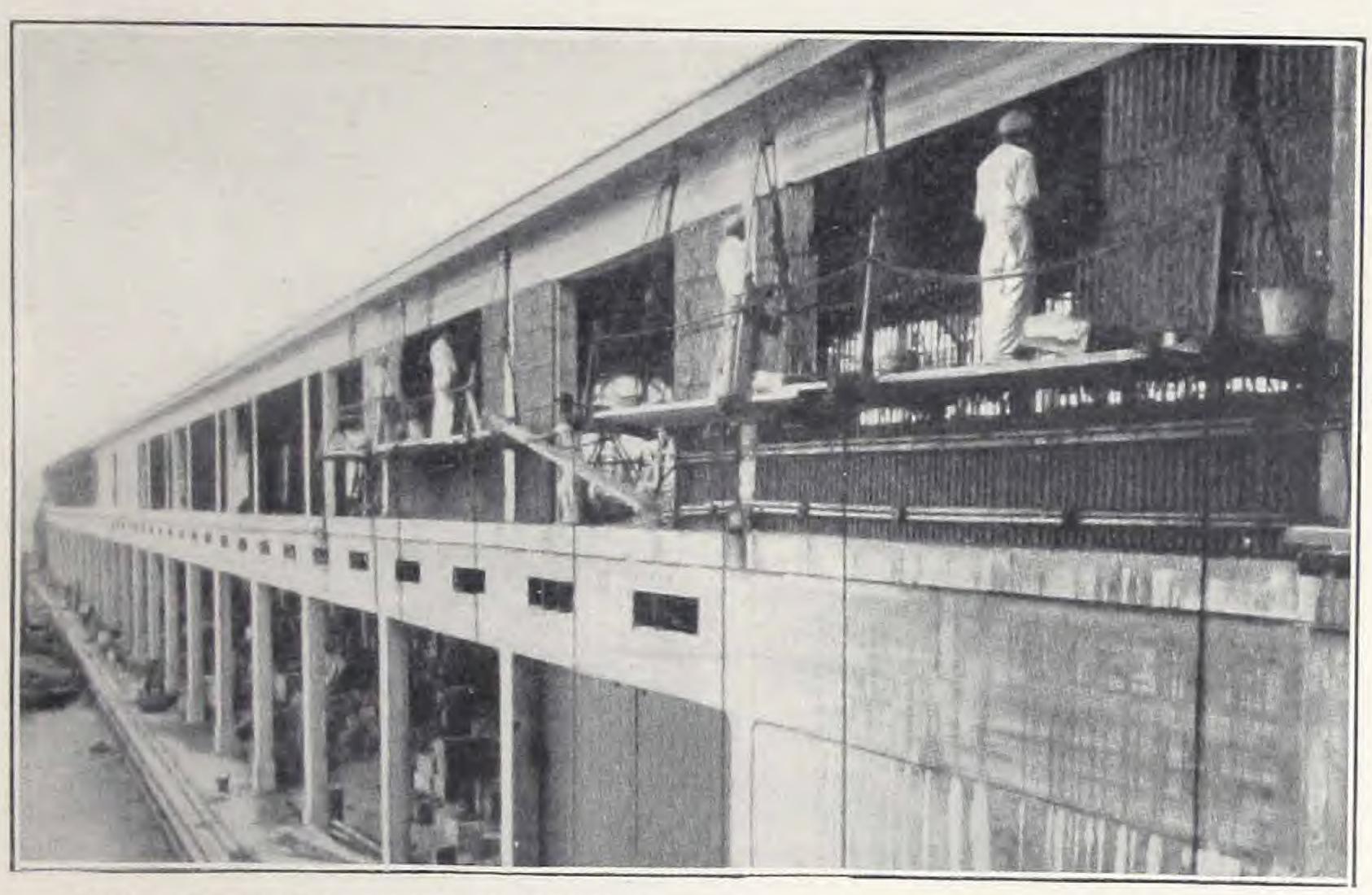


CORR-MESH WALL BEFORE PLASTERING

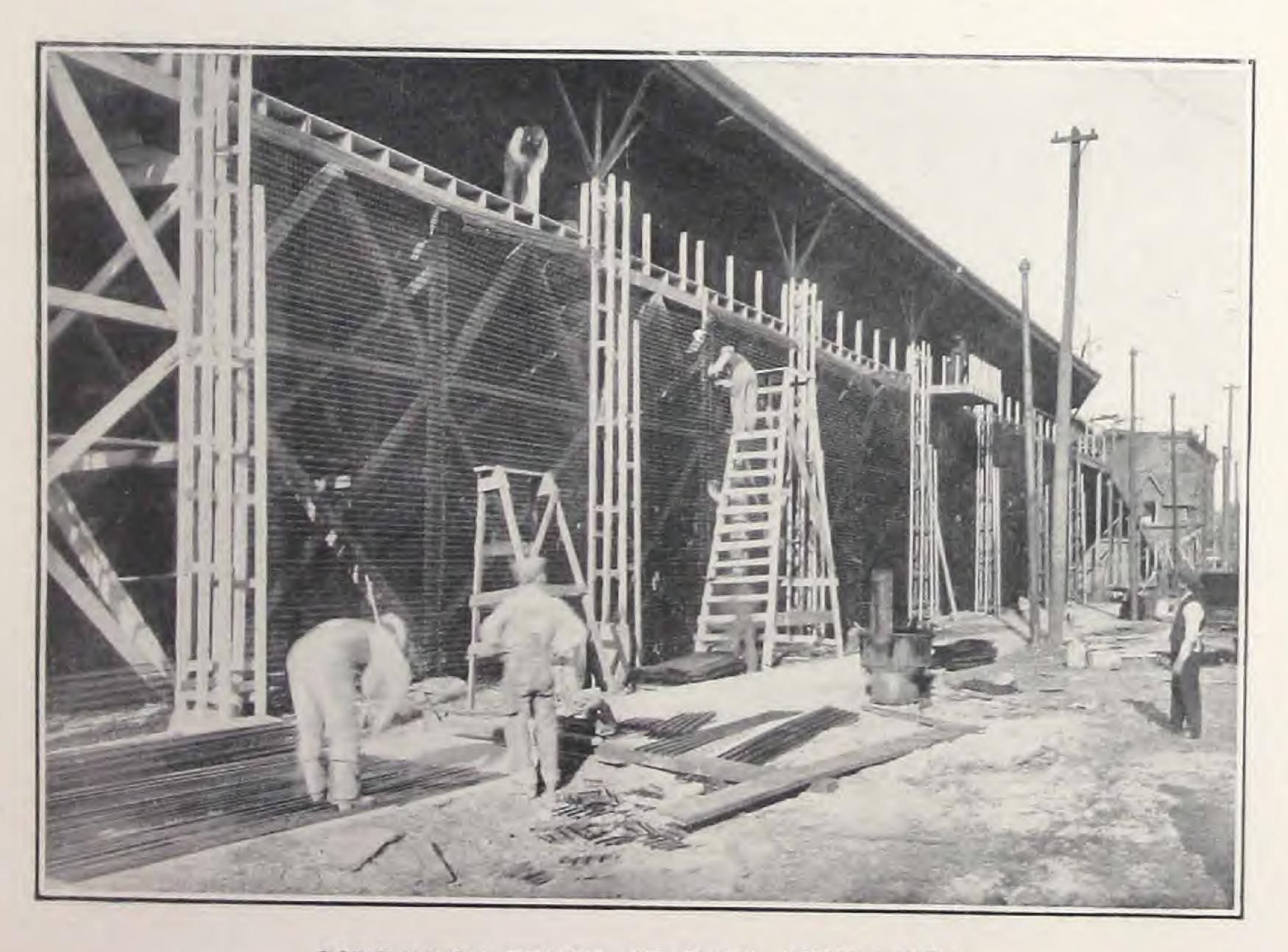


PLASTERING CORR-MESH WALLS. PANAMA

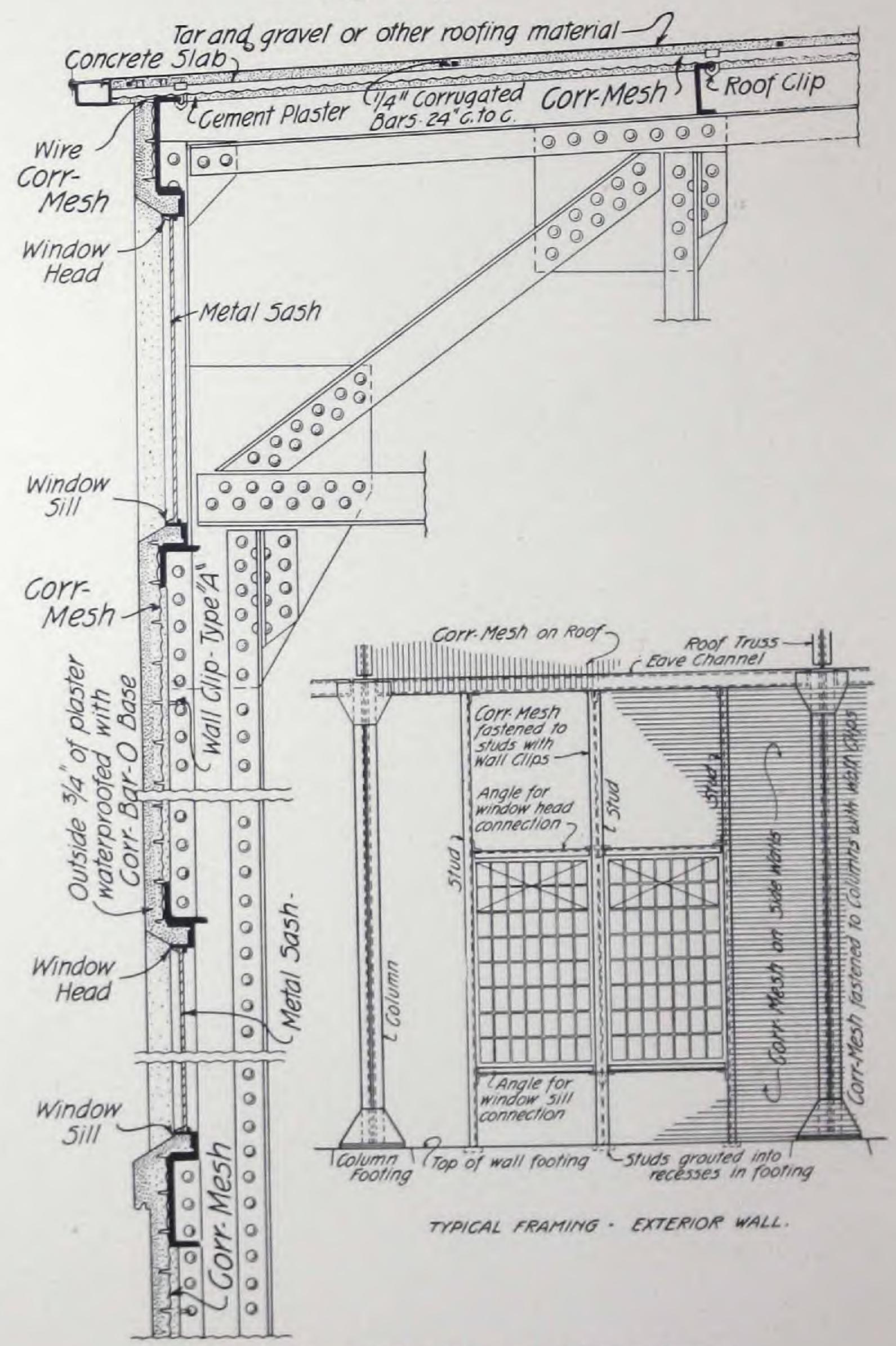
WALLS



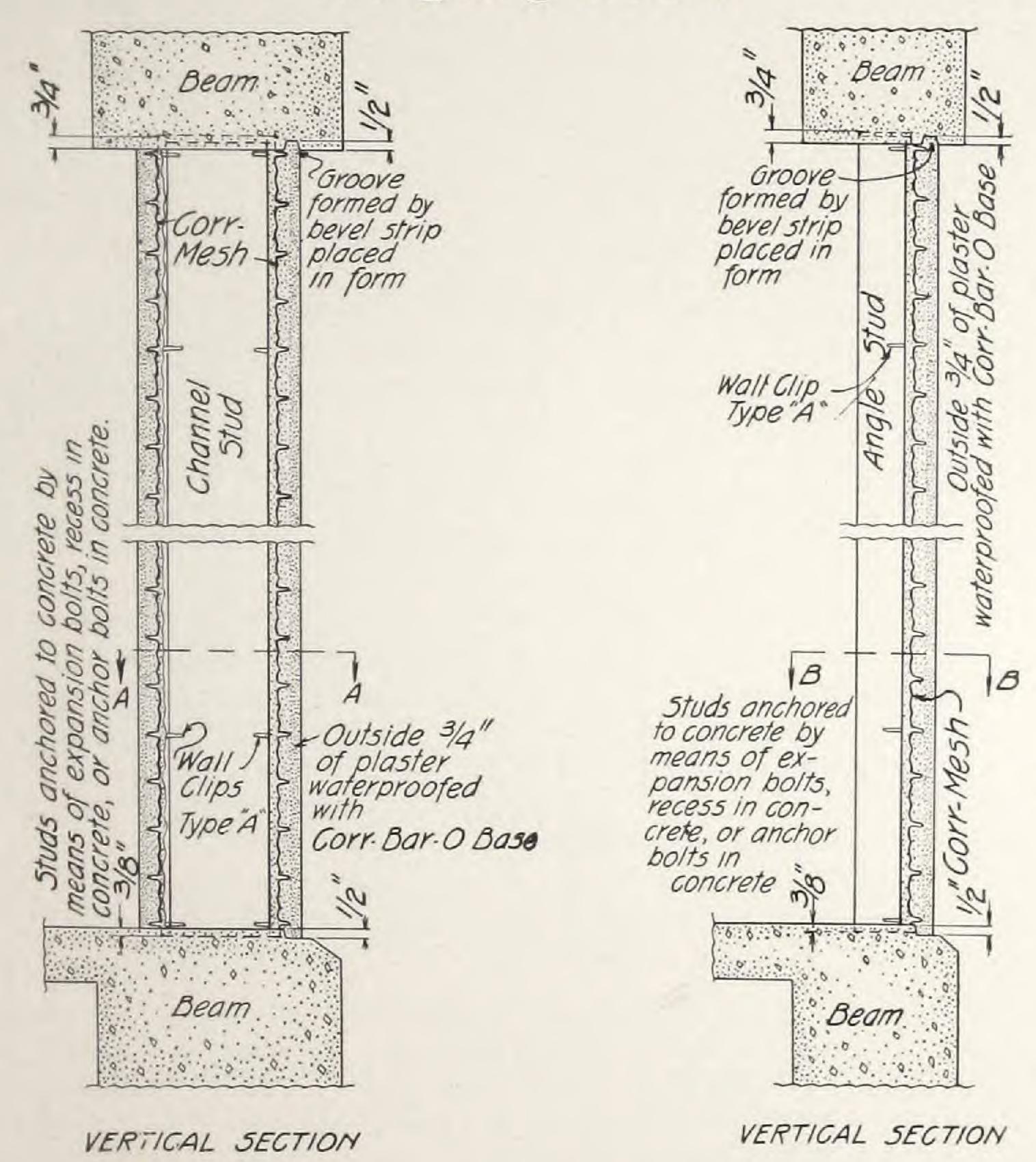
CORR-MESH WALLS ON CONCRETE FRAME, PIER SHEDS, HAVANA, CUBA Barelay, Parsons & Clapp, Engineers MacArthur, Perks & Co., Ltd., Contractors

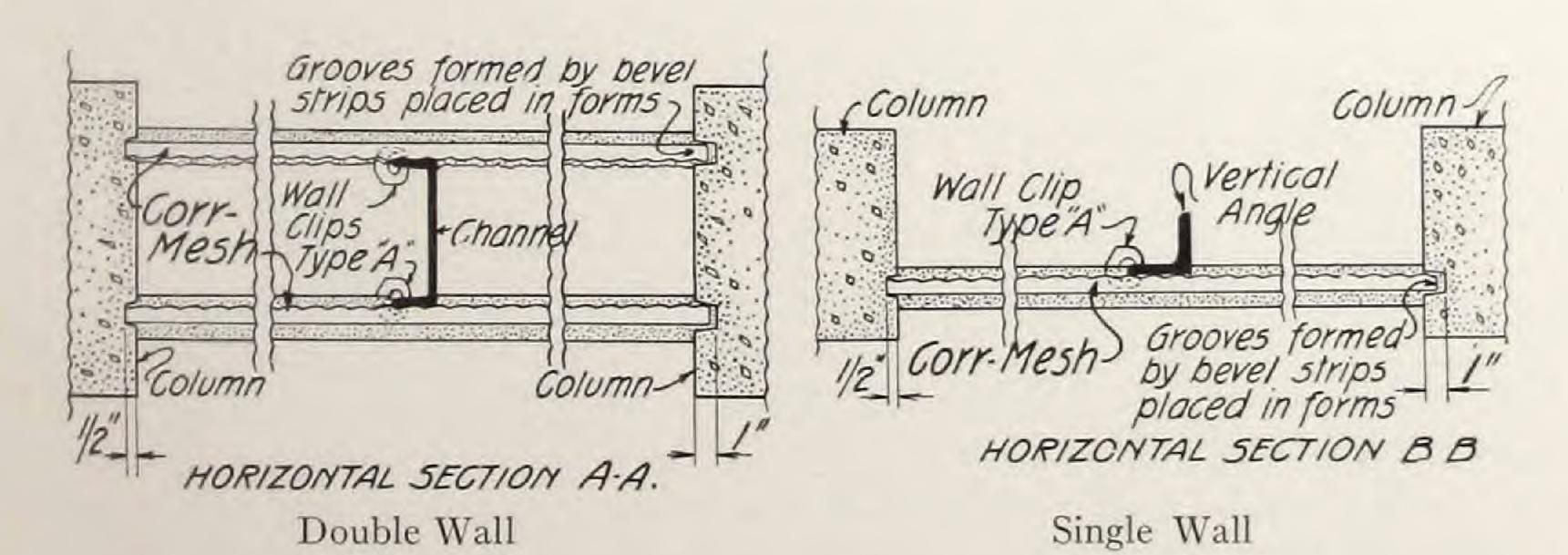


CORR-MESH FENCE, ST. PAUL, MINNESOTA



Mill Building with a Structural Steel Frame





Corr-Mesh Wall Construction with Reinforced Concrete Frame

Specifications

Reinforcing Material

Erection of Corr-Mesh

The Corr-Mesh shall be erected with the rib side outward.

The outside ribs of adjacent sheets shall be interlocked and, every inches, pinched together by the special punch or wired tightly with No. 16 galvanized wire.

End laps shall be not less than 6 inches. When laps do not come directly over the permanent supports, each rib shall be punched or wired tightly at both ends of all laps, and laps shall be not less than 8 inches if they do not break joints.

The Corr-Mesh shall be fastened to the supporting framework as shown by the details on pages 20 and 21, or by other methods that meet the approval of the engineer. Where the building has a structural steel framework, the Corr-Mesh shall be fastened to this frame by special Wall Clips, Type "A" or Type "B," spaced 13 inches apart and located at the double or lapped ribs. Where a timber framing is used, the Corr-Mesh shall be attached by staples over the ribs.

The Corr-Mesh sheets shall, where possible, be run horizontally. If this is impracticable and the sheets run vertically, ¼-inch round temperature rods, spaced 24 inches apart, shall be run horizontally.

Cement Plaster

The cement plaster shall consist of the following materials:

Portland cement which meets the standard specifications of the American Society for Testing Materials.

Sand of good quality and free from dirt.

Lime of best quality and uniformly hydrated.

Corr-Bar-O Waterproofing Base as manufactured by the Corrugated Bar Company.

The cement plaster shall be mixed as follows:

ro parts Portland cement and I part hydrated lime, measured by volume, shall be thoroughly mixed dry; I part of this cement-lime mixture and 2 parts sand, measured by volume, shall be thoroughly mixed dry, and sufficient water then added to make a stiff plaster.

The plaster shall be mixed in such quantities that it can be applied immediately after the water has been added. No plaster shall be used that has been mixed with the water for longer than 30 minutes.

The plaster for the first coat shall contain a thorough intermixture of long cow hair of good quality, in the proportions of 1 pound of hair for each sack of cement used.

The plaster for the ¾-inch finish coat on exterior walls shall contain Corr-Bar-O Waterproofing Base, in the proportion of I gallon of Base to 18 gallons of water used for mixing the mortar. The Base shall be thoroughly mixed into all water for preparing the plaster.

Application of Cement Plaster

Before Corr-Mesh is plastered, temporary wooden bracing shall be placed against the lath side so that the material shall not span more than 6 feet in the clear.

The first coat of plaster shall be applied on the outer side of the Corr-Mesh and, while still wet, the surface shall be scratched over to form a key for the finishing coat, which shall be put on as soon as possible after the first coat has set.

As soon as the cement plaster on the rib side has set, remove the temporary bracing and proceed with the plastering on the lath side, using the same mixture as for the first coat on the other side.

The total thickness of the wall shall not be less than 2 inches.

Protection

Plastering shall not be undertaken when the temperature is below 32° Fahrenheit without taking proper precautions to prevent the plaster from freezing.

The plaster shall not be allowed to dry out too rapidly, and where exposed to sun or wind, the surface shall be either frequently sprayed for at least 48 hours after the initial set has taken place or protected by hanging wet curtains in front.

Table V-Corr-Mesh Exterior Walls

CLEAR SPANS	GAUGE CORR-MESH 3/4-INCH RIBS	THICKNESS OF WALL
7'-o" or Less	28	2"
7'-o" to 8'-o"	26	2"
8'-o" to 9'-o"	26	21/4"
9'-0" to 10'-0"	24	21/2"
o'-o" to 12'-o"	24	23/4"



CORR-MESH FLOOR, BALCONY, CENTRAL PARK THEATRE, BUFFALO, N. Y.
H. P. Kehr, Architect and Contractor

Floors

CORR-MESH (with ribs ¾-inch high) is very effective in the construction of short floor spans between beams of either steel or concrete.

No centering is required as Corr-Mesh supports the wet concrete, which is merely spread and smoothed down. This not only saves in cost, (about $3\frac{1}{2}$ cents per square foot) but also greatly increases the speed of construction.

For Light Loads

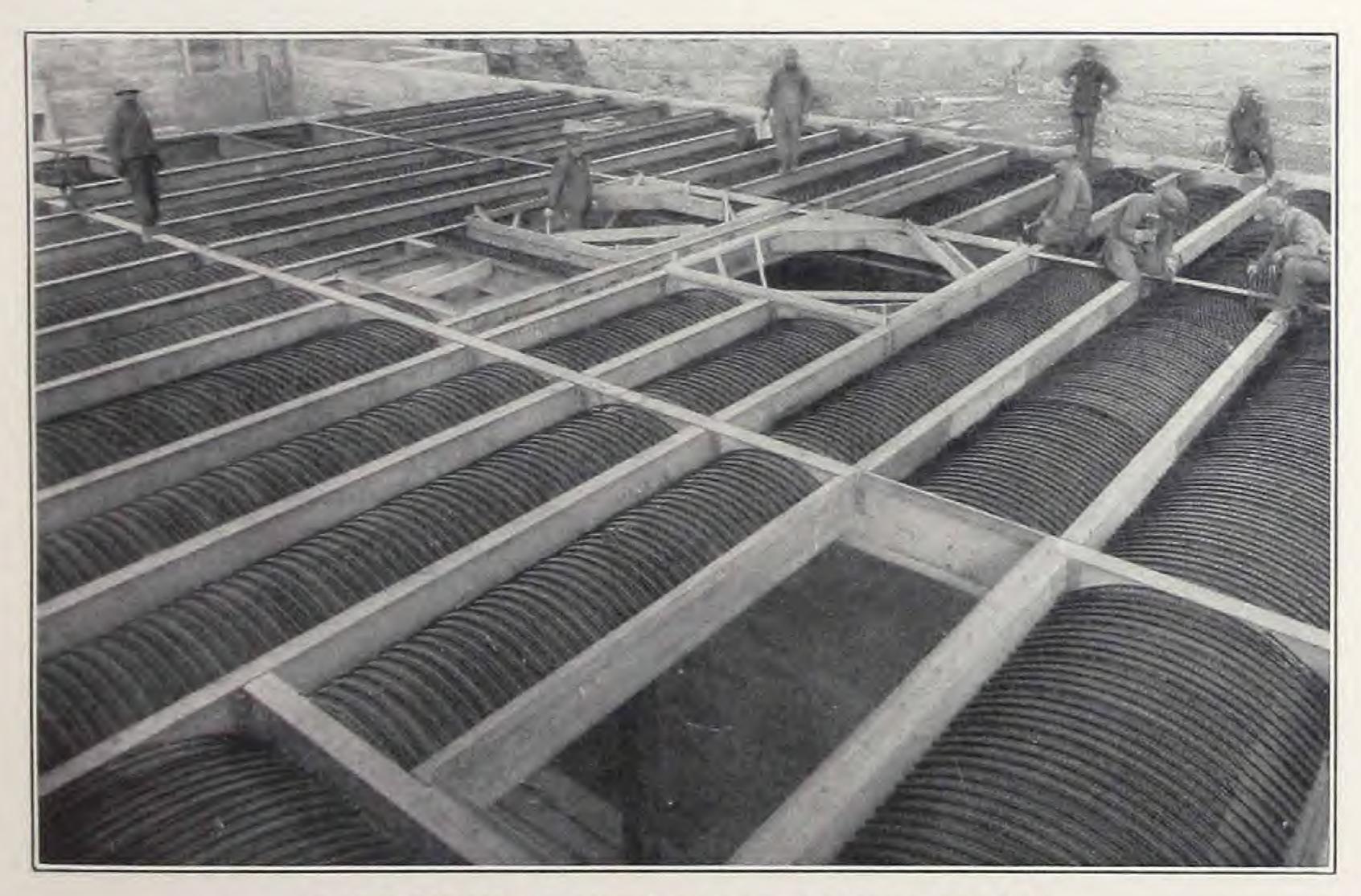
In hotels, apartment houses, etc., the more economical constructions are shown by systems 1, 2 and 3 on page 27. With these systems a suspended ceiling is generally used (see Fig. 12, page 37).

FLOORS



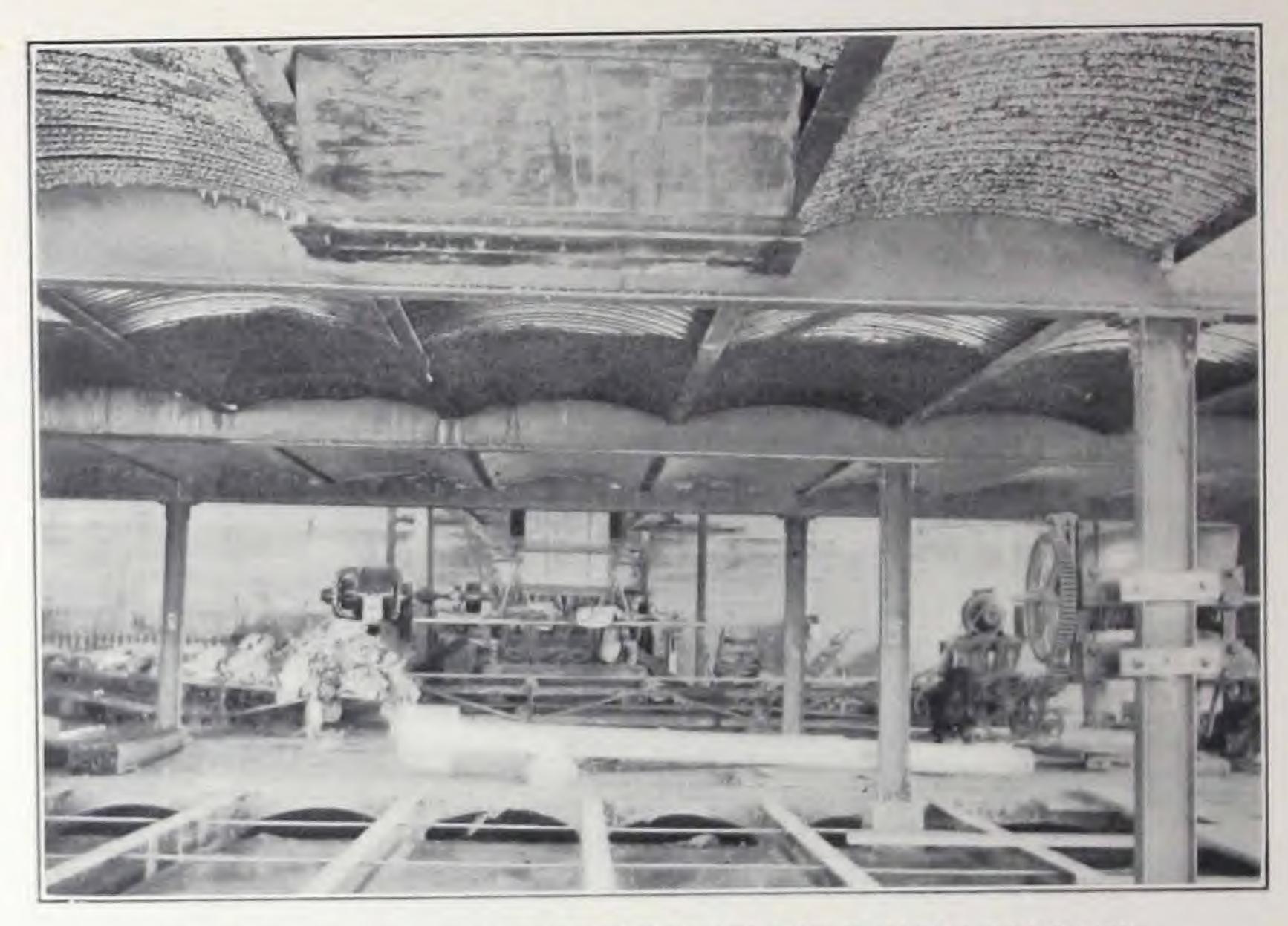
CORR-MESH FLOOR

Grandstand, Federal League Ball Park, Chicago, Ill.



CORR-MESH ARCHED FLOOR CONSTRUCTION

Dexter Portland Cement Company, Nazareth, Pennsylvania



CORR-MESH FLOOR, WOLVERINE PORTLAND CEMENT COMPANY,
COLDWATER, MICHIGAN

Arched Floors for Heavy Loads

In warehouses, factories, etc., curved Corr-Mesh, with ribs 3/4-inch high, permits a very economical arched concrete slab construction. (See Systems 4 and 5 on page 27.)

CORR-MESH is curved at the factory to any radius required, and

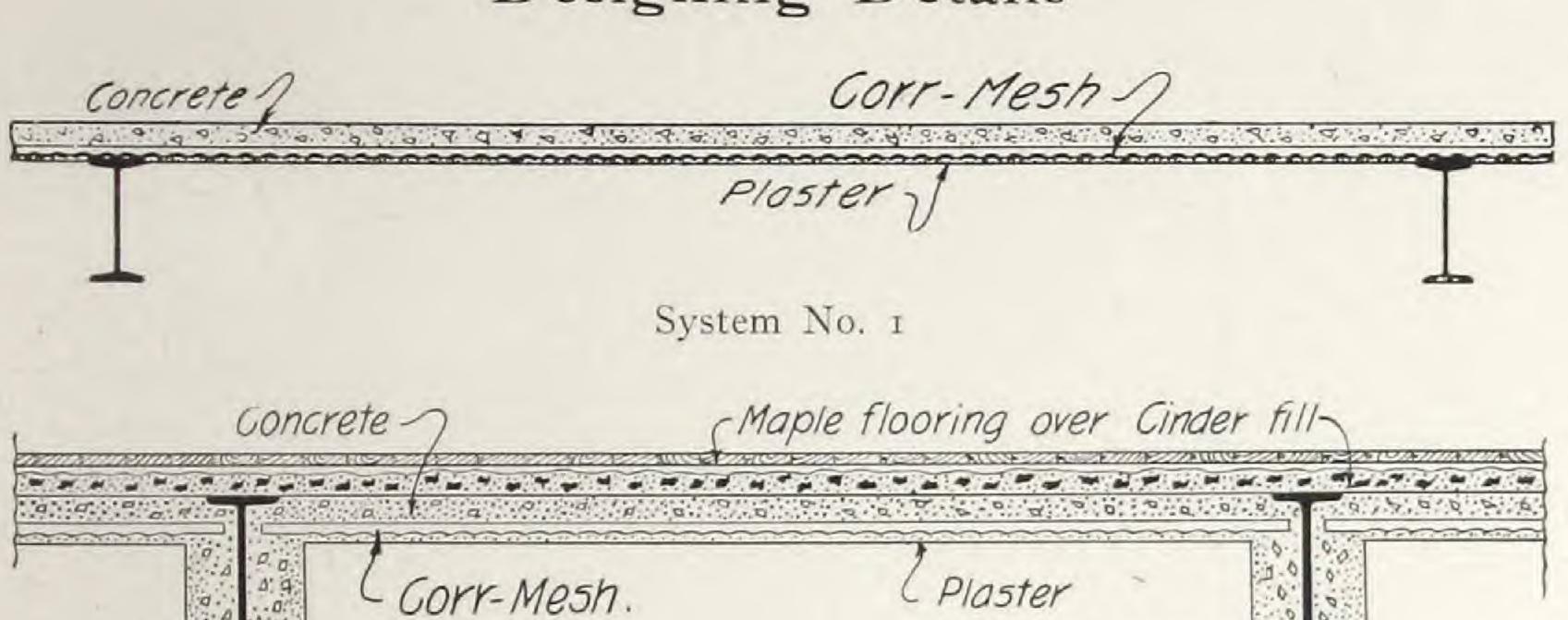
carefully crated to prevent damage during shipment.

The curved sheets can be rapidly placed in position. No centering is required.

Where structural steel floor beams are used the Corr-Mesh rests on the bottom flanges, as shown by systems Nos. 3 and 4 on page 27. Where reinforced concrete beams are used the Corr-Mesh rests on the forms for the bottom of the beams; the mesh is stripped back from the ribs a distance sufficient to allow the concrete to completely enclose the outside reinforcing rods in the beams. This eliminates the expensive formwork for the beam boxes. (See system No. 5 on page 27.)

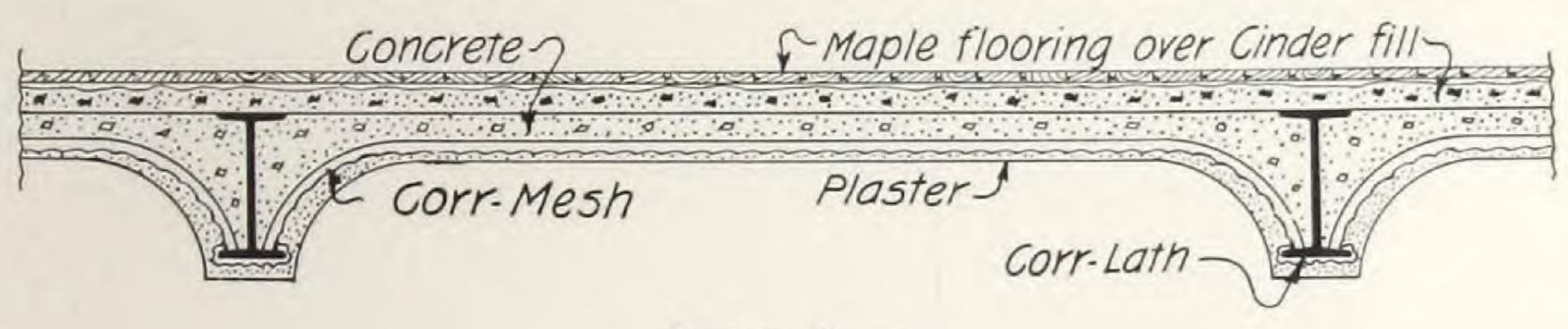
If you will send us loads and sketches showing floor layout we will gladly prepare sections showing suitable and economical design.

For information giving carrying capacity and complete specifications of Corr-Mesh Floors, see pages 32, 33 and 34.

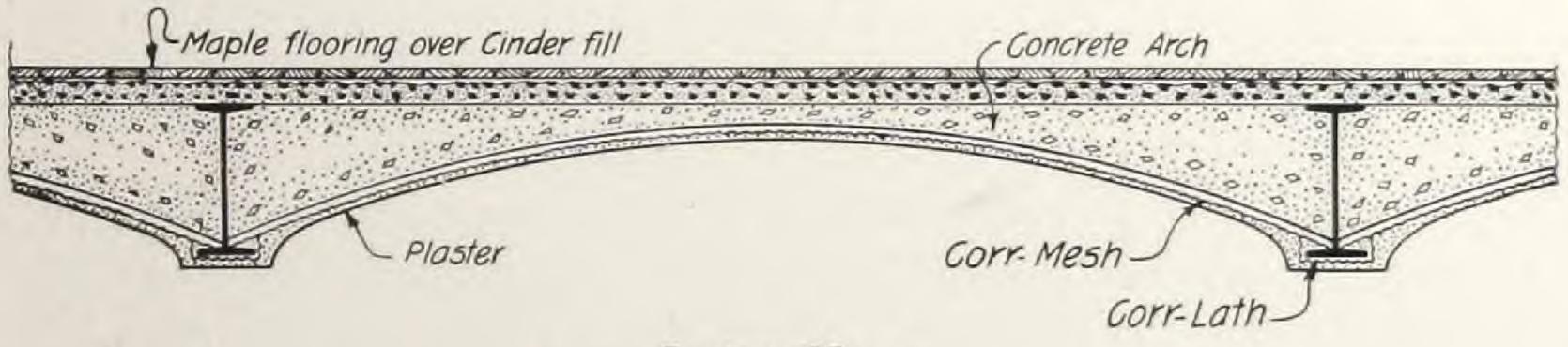


System No. 2

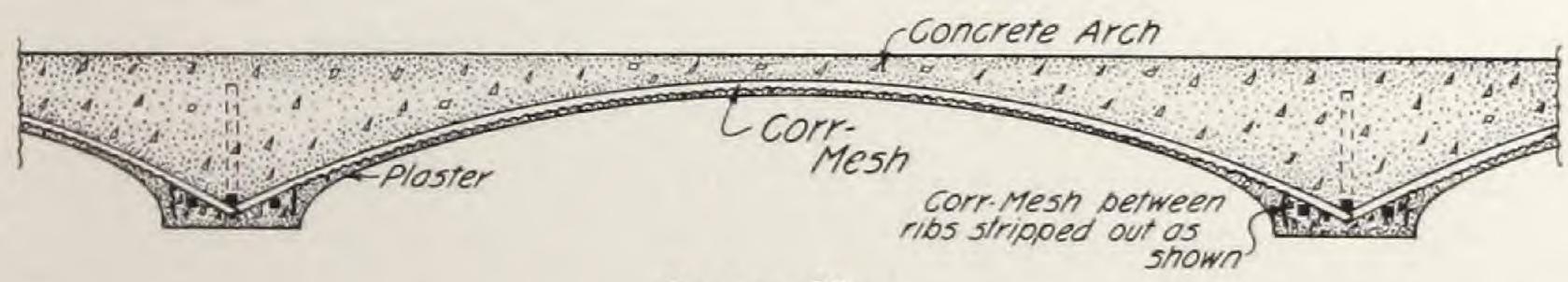
Corr-Lath



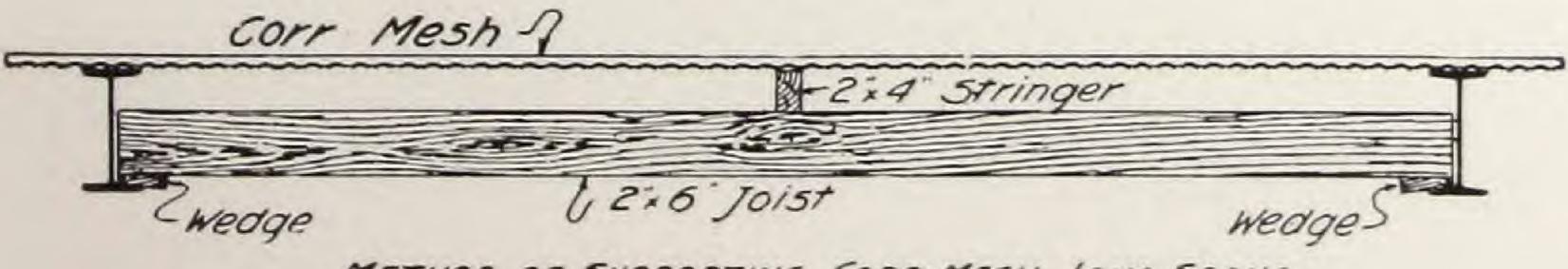
System No. 3



System No. 4



System No. 5



METHOD OF SUPPORTING CORE-MESH-LONG SPANS
Figure 9



CORR-MESH ROOF, CANADIAN STEEL FOUNDRIES, LTD., WELLAND, ONT.

Roofs

For roof construction of industrial buildings Corr-Mesh (with ribs 3/4-inch high) is economical of material and labor, is permanent and fire-proof. It permits the use of thin slabs, thus reducing the weight of the supporting steel frame. Saves nearly all the cost of centering.

The 3/4-inch ribs of Corr-Mesh give it great strength and enable it to support the wet concrete. This saves 31/2 cents per square foot in centering.

Gives a fireproof, permanent roof, repair-free for all time.

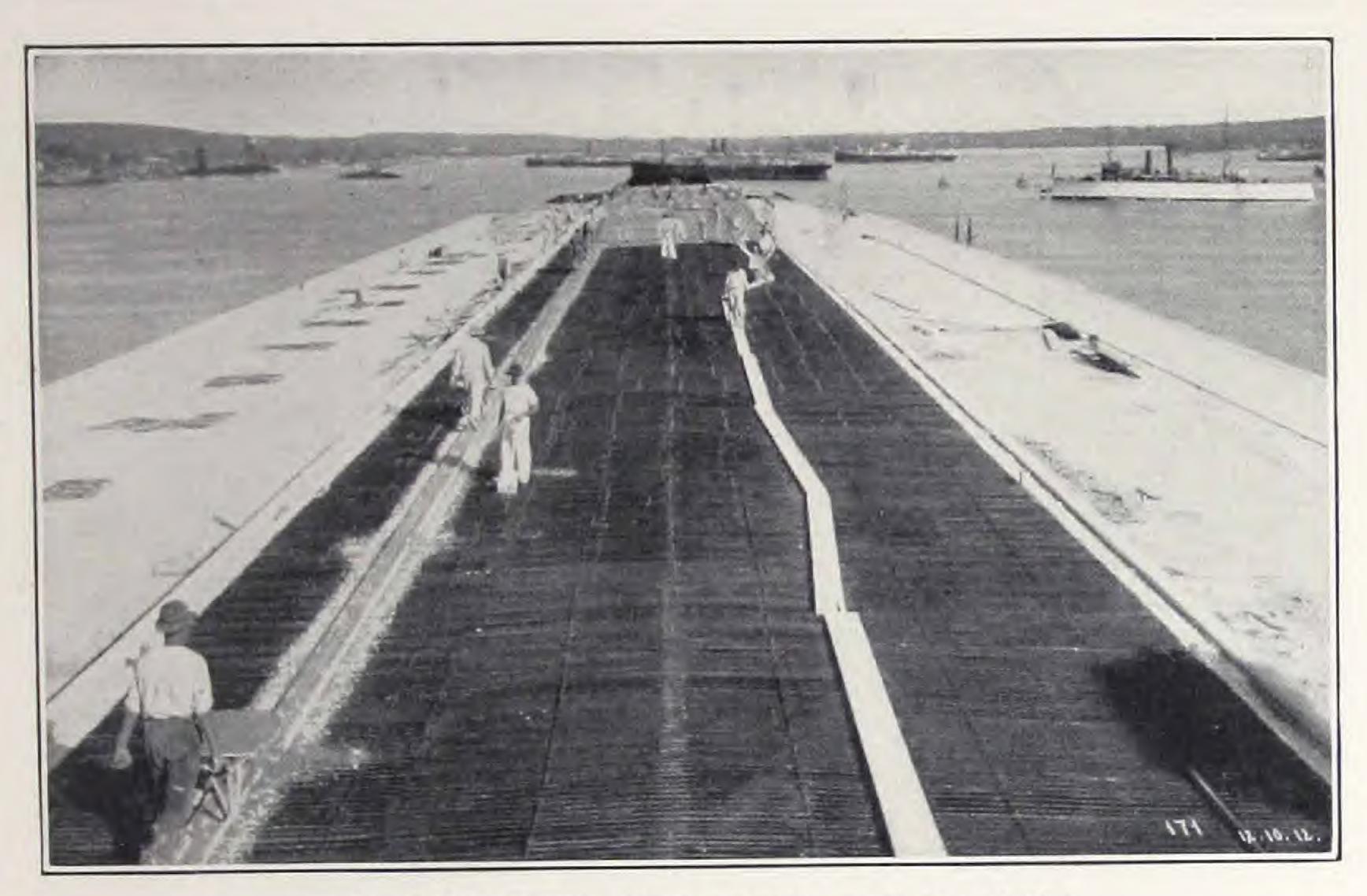
The cost is less than for the older types of reinforced concrete roof. Though somewhat more expensive than corrugated iron sheets in first cost, it is far more economical in the long run, and is better looking, besides being fireproof.

CORR-MESH roofs are easily, quickly and economically constructed.

CORR-MESH spans the framework and the concrete is merely poured and smoothed down.

For designing details, carrying capacity, and complete specifications, see pages 31, 32, 33 and 34.

ROOFS

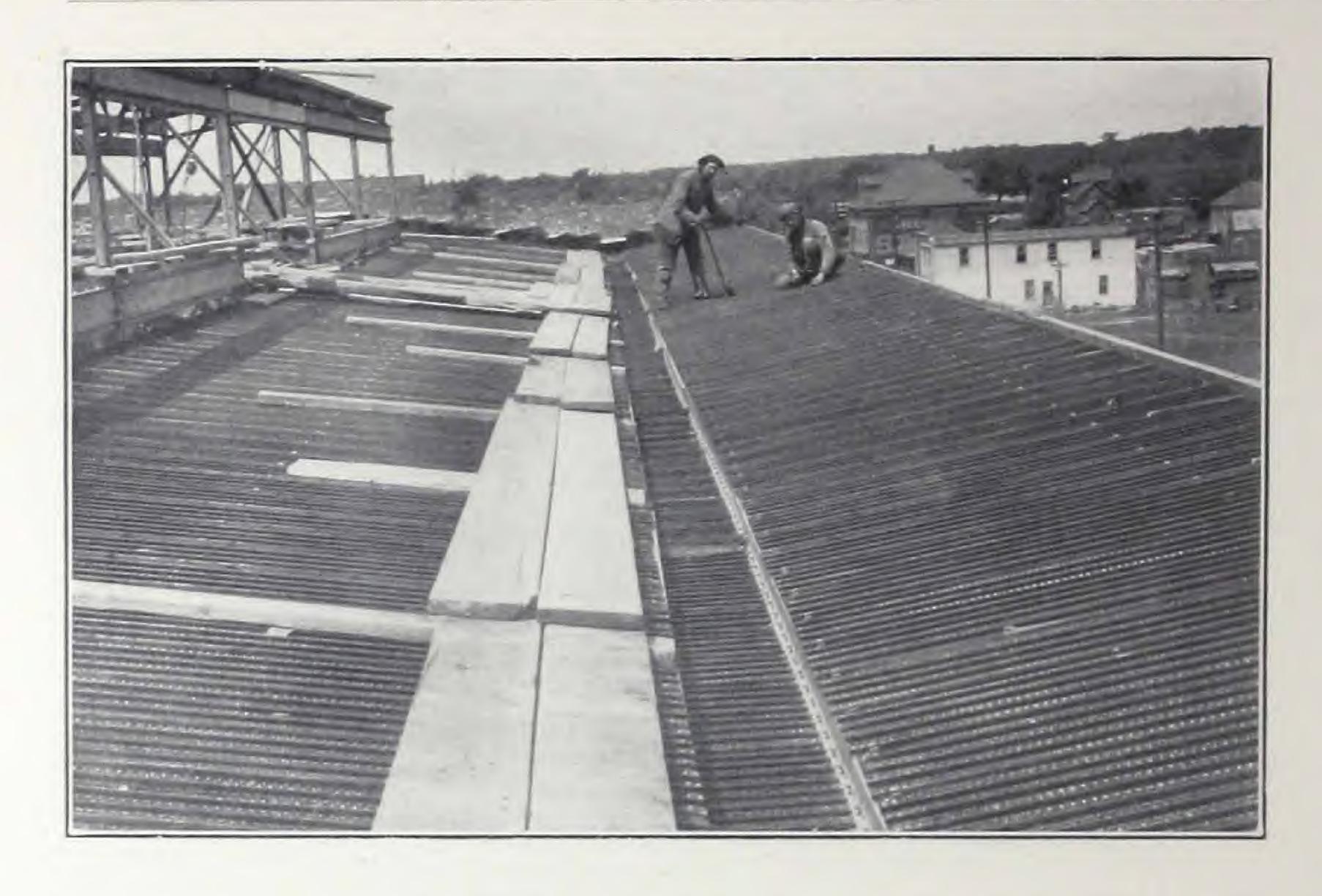


CORR-MESH ROOF, PIER SHEDS, HAVANA, CUBA



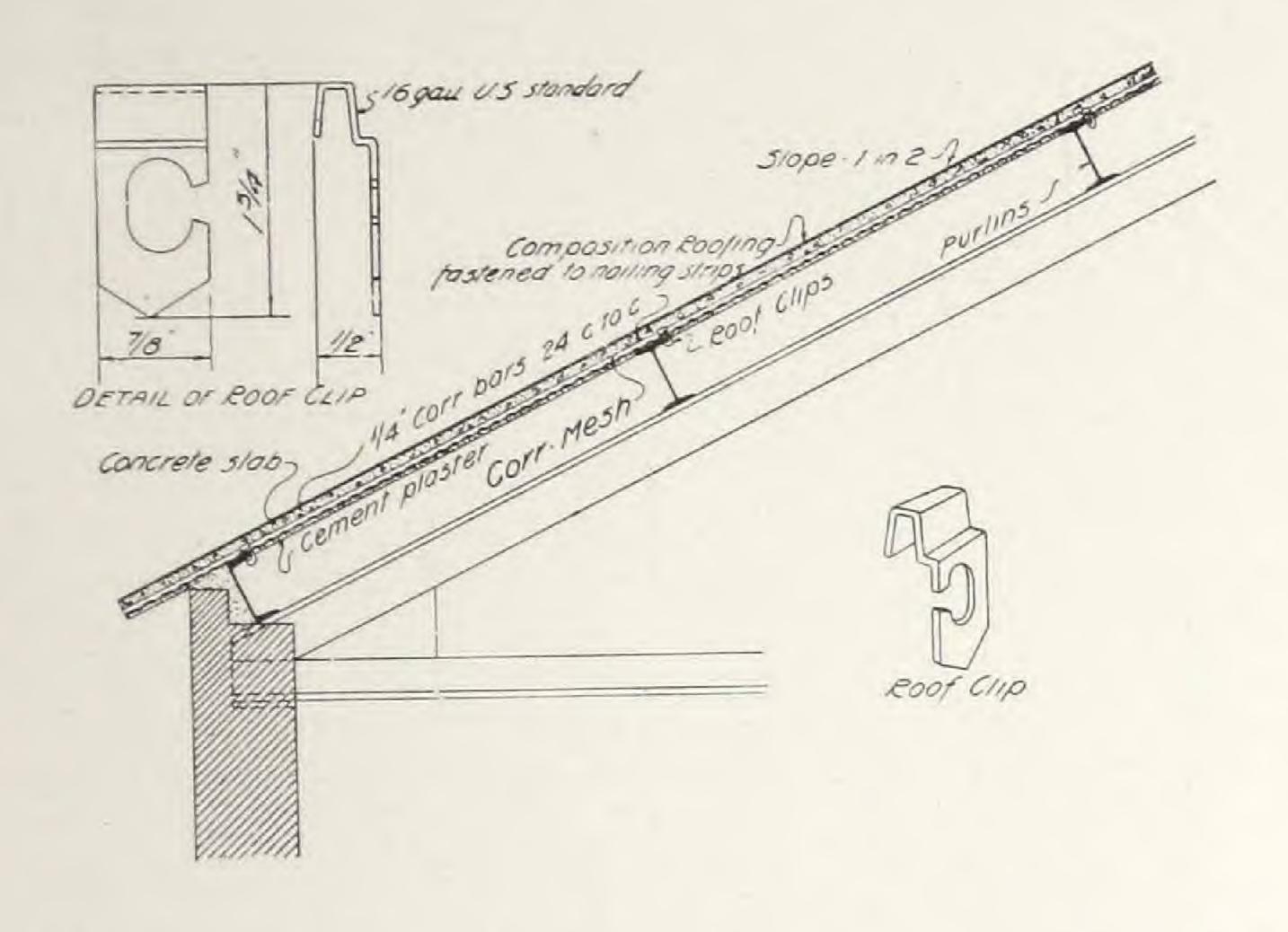
SAW-TOOTH ROOF OF CORR-MESH CONSTRUCTION

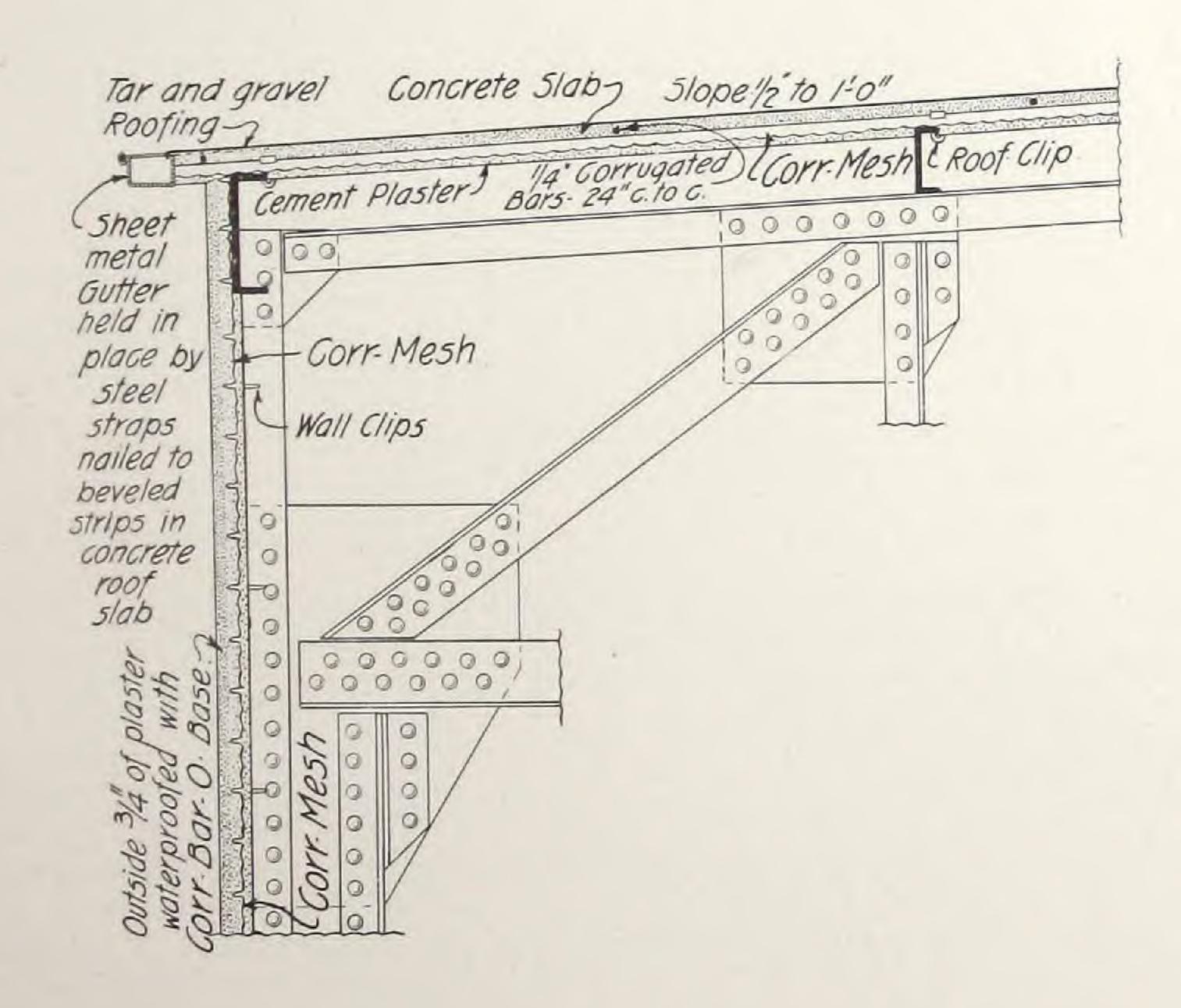
Mack Motor Truck Garage, Cambridge, Mass.





CORR-MESH ROOFS, CANADIAN STEEL FOUNDRIES, LTD., WELLAND, ONTARIO
National Sand and Material Company, Contractors





FLOORS AND ROOFS

Table VI-Carrying Capacity of Floor and Roof Slabs

(CORR-MESH with ribs 34-inch high)

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-	26	-	24	1 23	35 2	286	999	95	0 5	49 b	00 3	145	300	210									

The left-hand column, marked "total load," gives for each span the total safe load capacity in pounds per square foot. This load is the sum of the dead and live loads.

The "dead load" is the weight in pounds per square foot of floor of the materials shown in the electric.

The right-hand column, marked "live load," gives for each span the safe load capacity in pounds per square foot in excess of the dead load as above defined.

Table VII-Maximum Clear Spans in Feet

On Which Corr-Mesh of Standard Gauges, with ribs 34-inch high, will Carry Varying Thicknesses of Wet Concrete Slabs

GAUGE OF	9	THIC	KNES				=t		2000	\int_{∞}	1"	_ 2"	•
U.S. STANDARD	1"	14"	11"	1 3"	2"	$2\frac{1}{4}^{"}$	$2\frac{1}{2}$	$2\frac{3^{"}}{4}$	3"	31	3 1/2	3 3"	4
24 26 28	5'-7" 4'-7" 4'-0"	5'-1" 4'-2" 3'-7"	4'-8" 3:10" 3'-3"	4'-4"	4'-0"	3'10"	3'-8"	3'-6"	2'-9"	2'-8"	2'-7"	2'-6"	2'-5

For greater spans use temporary supports as shown at the bottom of page 27

Specifications

Reinforcing Material

The attachment of the sheets to the supporting members shall be made with standard Corr-Mesh Roof Clips or with galvanized wire. This attachment shall be made every 13 inches along each supporting member and shall be located at every lapped rib.

Place Corr-Mesh with the rib side upward.

Provide ¼-inch round rods for expansion. These rods shall be 24 inches apart and shall run at right angles to the ribs of the Corr-Mesh. They shall be secured in place.

Concrete

Planking shall be laid across the Corr-Mesh for runways and for supporting the weight of the workmen. The runways shall be so placed as to come over the supports.

The slab shall consist of a layer of concrete placed on top of the Corr-Mesh and a ½-inch coat of Portland cement mortar plastered on the underneath side after the concrete slab has set.

While the top layer of concrete is being poured, the Corr-Mesh shall have temporary supports,.....apart, placed between the permanent supports. (See Table VII on page 32, and Fig. 9 on page 27.) These temporary supports shall remain in place until the concrete has thoroughly set.

The materials composing the concrete shall be as follows:

Portland cement which meets the standard specifications of the American Society for Testing Materials.

FLOORS AND ROOFS

Sand of good quality and free from dirt.

Gravel, well washed, capable of passing a 1/2-inch ring, or

Broken Stone of good quality, from which the crusher dust has been removed and capable of passing a ½-inch ring.

The concrete shall consist of 1 part Portland cement, 2 parts sand,

and 4 parts broken stone or gravel.

When concrete is used for roofs, surface shall be troweled to a

smooth finish.

The completed concrete work shall be made to dry slowly by protecting from the sun by means of canvas, burlap, etc., and by keeping the work well wet down for at least 48 hours.

Plastering Underneath Side

After the concrete has set, and the temporary supports have been removed, the underside shall be plastered to a thickness of ½-inch with a cement plaster, composed of Portland cement, sand, hydrated lime and cow hair—all thoroughly mixed as specified on pages 22 and 23 for cement plaster.

The materials composing this cement plaster shall be as follows:
Portland cement as specified for the concrete.
Sand as specified for the concrete.
Lime of best quality and uniformly hydrated.
Long cow hair of good quality.

Waterproofing

A standard waterproof roofing shall be laid over all Corr-Mesh roofs.

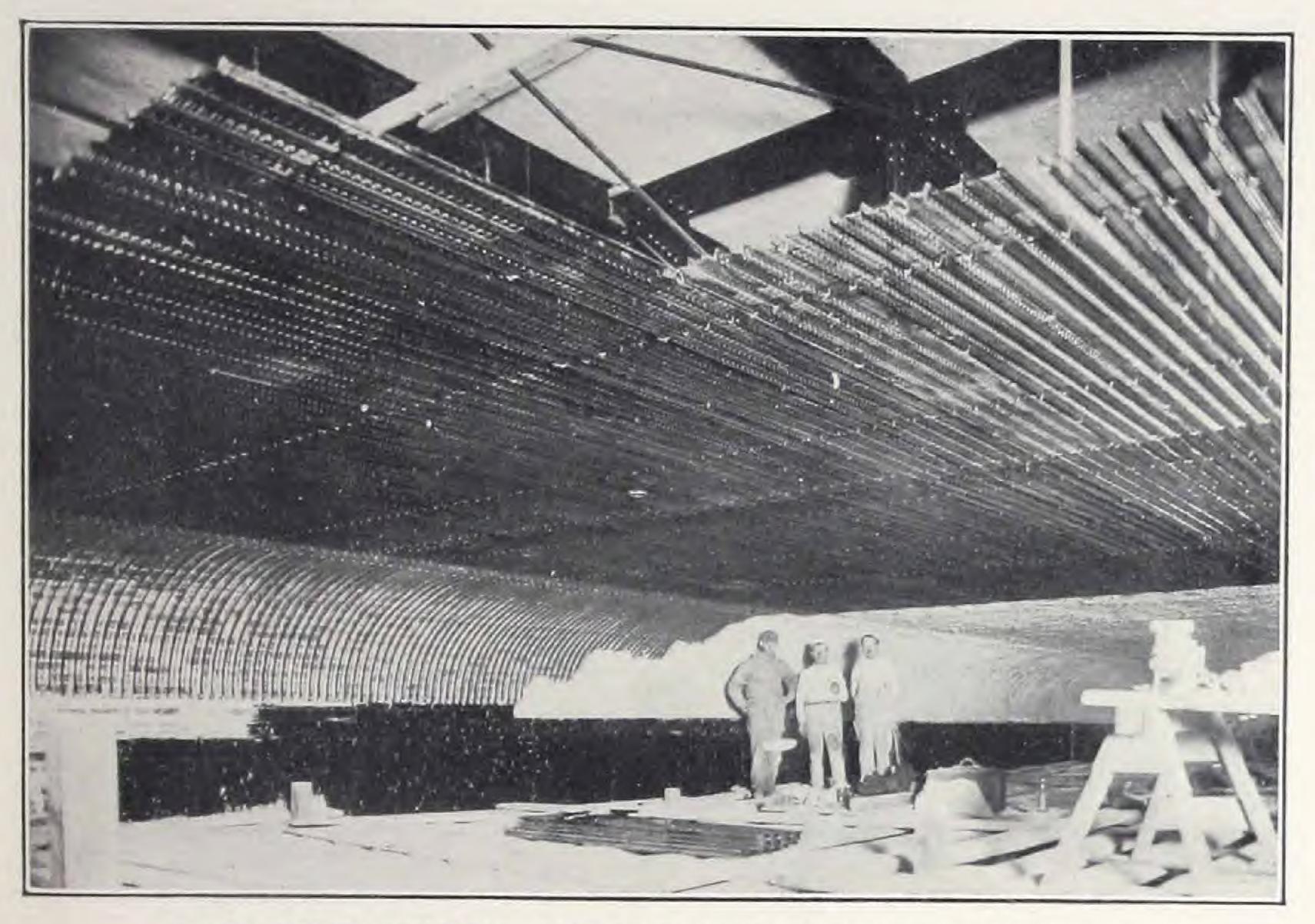
Concrete Beams

When concrete beams are used to support the slab, the ends of the CORR-MESH shall rest on the beam boxes. The ends of the sheets shall extend not less than one inch into the beam, and the CORR-MESH shall be in position when placing the concrete in the beams. The concrete in the slab shall be thoroughly bonded to the concrete in the beams.

Timber Beams

When wooden beams are used to support the slab, the Corr-Mesh shall be secured to the beams by wire staples not less than 2½ inches in length. The staples shall straddle the ribs, shall be placed along each supporting member, and shall be located at every lapped rib.

CEILINGS



CORR-MESH CEILING, MARLOW THEATRE, BUFFALO, N. Y.

Ceilings

Suspended ceilings are artificial ceilings, made to produce a flat ceiling effect by the hiding of beams and girders. For this purpose Corr-Mesh is thoroughly satisfactory and very economical. It is lath and furring in one piece. The minimum of labor is required and labor cost is therefore low. Corr-Mesh ceilings are substantial and permanent. The strands are entirely covered by plaster and thus thoroughly protected.

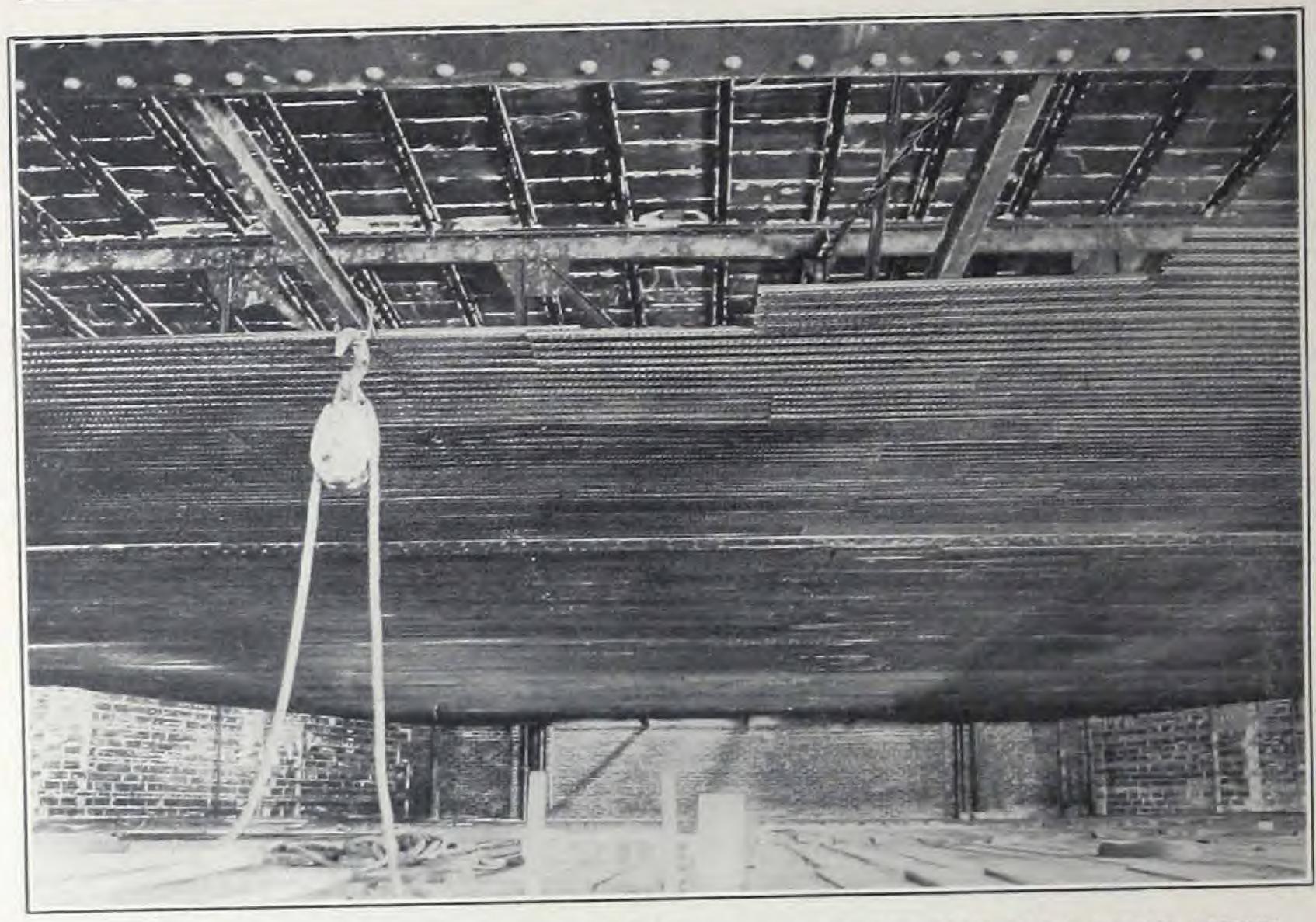
Method of Support

CORR-MESH is placed with the mesh down, cross supports for the ribs being placed every two to six feet, depending on the gauge used.

These supports are attached directly to the floor beams or are held by hangers, which should be stiff to resist upward pressure in plastering and adjustable to bring the ceiling to a true plane surface.

For designing details and specifications see pages 37 and 38.

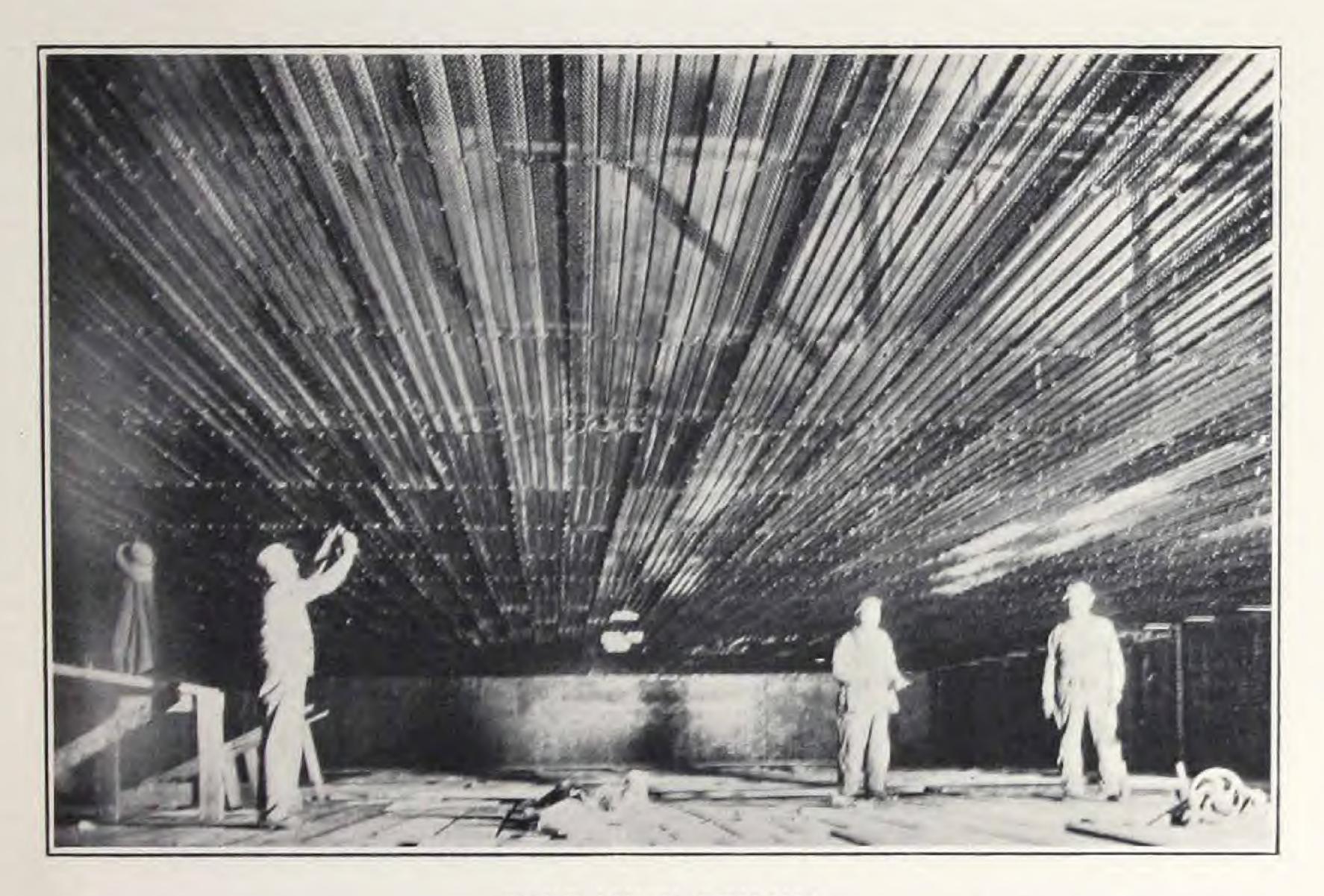
CEILINGS



CORR-MESH CEILING, SHOWING CHANNELS SUPPORTING THE CORR-MESH



CORR-MESH CEILING, GROINED ARCH CONSTRUCTION St. Gerhart's Chapel, Buffalo, N. Y.



CORR-MESH CEILING

Designing Details

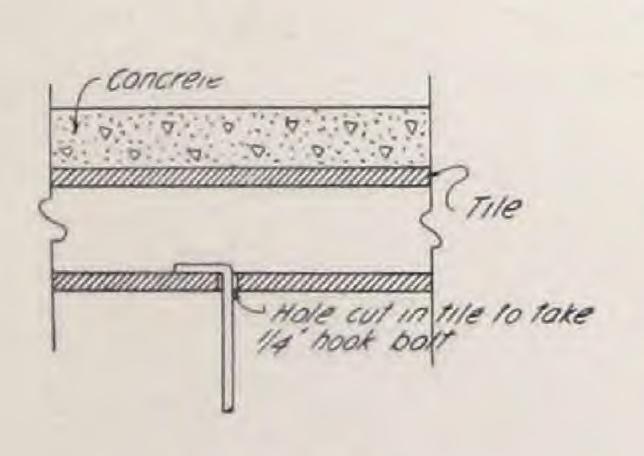
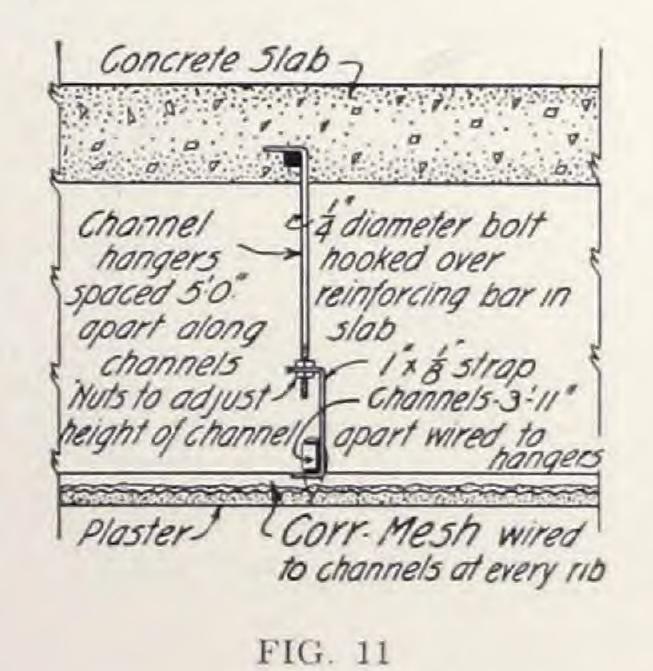


FIG. 10

Channel Hanger Attached to
Hollow Tile Floor



Suspended Ceiling Beneath Reinforced Concrete Slab

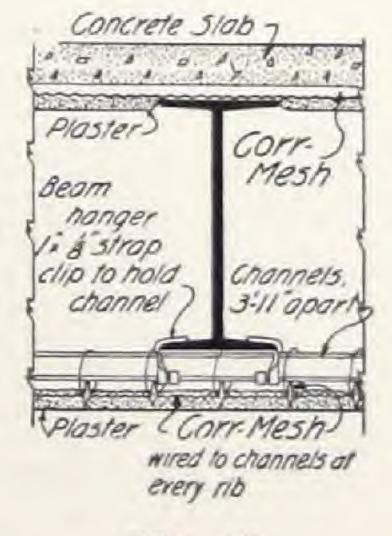


FIG. 12 Suspended Ceiling Attached to I-Beam

Specifications

Details

Fastening Sheets Together

Outside ribs of adjacent sheets shall be securely interlocked and fastened at intervals of 24 inches, by wiring tightly with No. 16 galvanized wire. (The 34-inch ribs may be fastened by punching with special Corr-Mesh punch.)

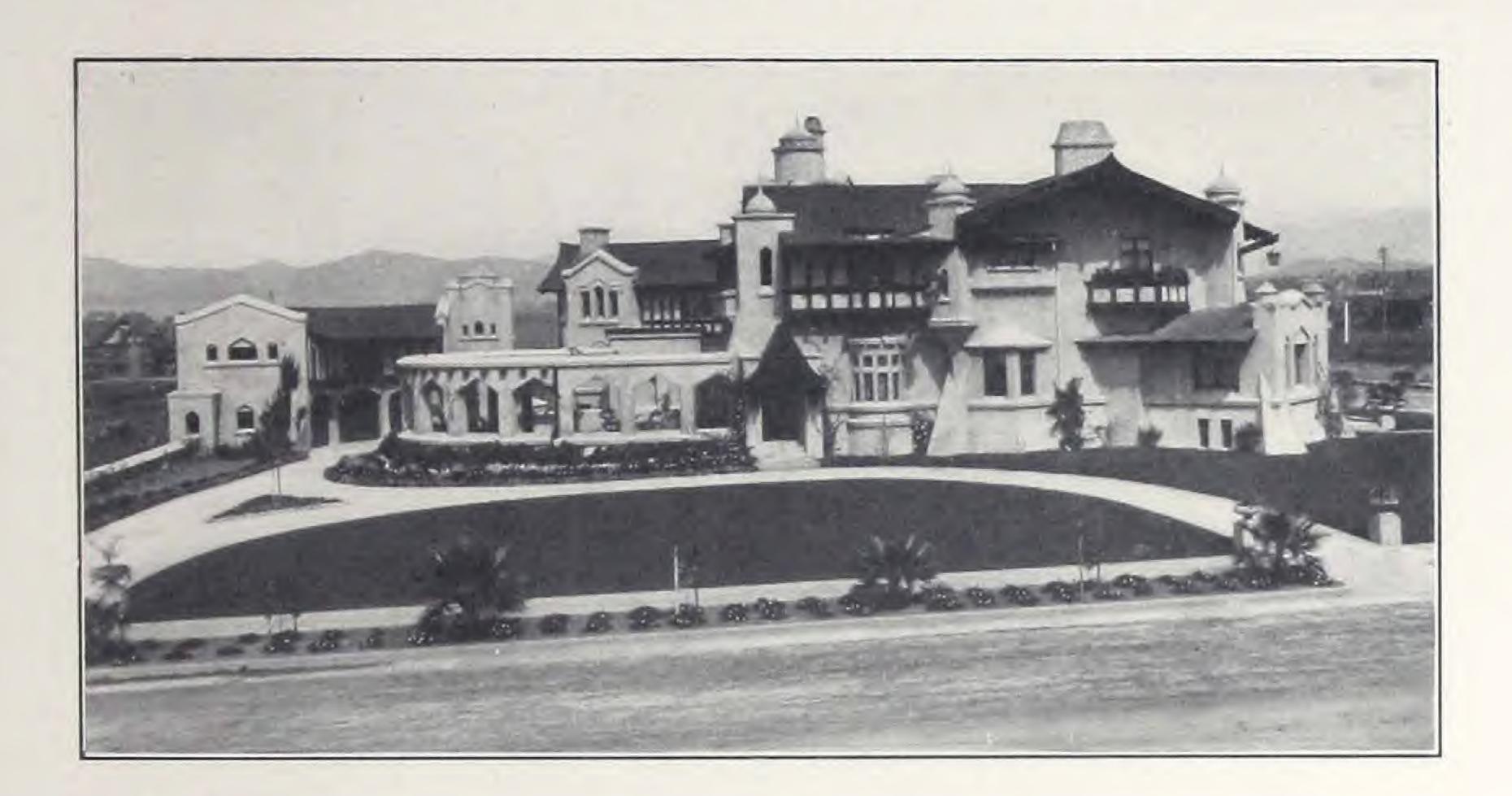
End laps shall be 2 inches, and shall come directly under the lines of support. If this is impracticable, end laps shall be at least 4 inches where joints are broken, or 6 inches if they do not break joints. In all end laps not directly under the support, each rib shall be punched or wired tightly at both ends of the lap.

Fastening Corr-Mesh to Supports

Each rib shall be securely fastened to every support by No. 14 galvanized wire.

Table VIII-Maximum and Economical Spans of Corr-Mesh and Corr-Mesh Lath for Ceilings

MATERIAL	GAUGE	MAXIMUM DISTANCE BETWEEN SUPPORTS
CORR-MESH Lath	28	2'-2"
(Ribs 76-inch	26	2'-8"
high)	24	3'-0"
CORR-MESH	28	3'-11"
(Ribs 34-inch	26	4'-11"
high)	24	5'-11"



Solid Stucco Residences

Residences with walls of cement mortar reinforced by Corr-Mesh (ribs ¾-inch high) are capable of very beautiful architectural treatment. They are fire-resisting; will stand more wind-pressure than any other type of dwelling house construction except solid stone and cost less than any other type except wood or veneer stucco. Solid stucco is better than veneer stucco because it produces a two-inch solid monolithic wall, into which the studs are imbedded. Sheathing is eliminated, the Corr-Mesh being fastened directly to the studs and plastered inside and out.

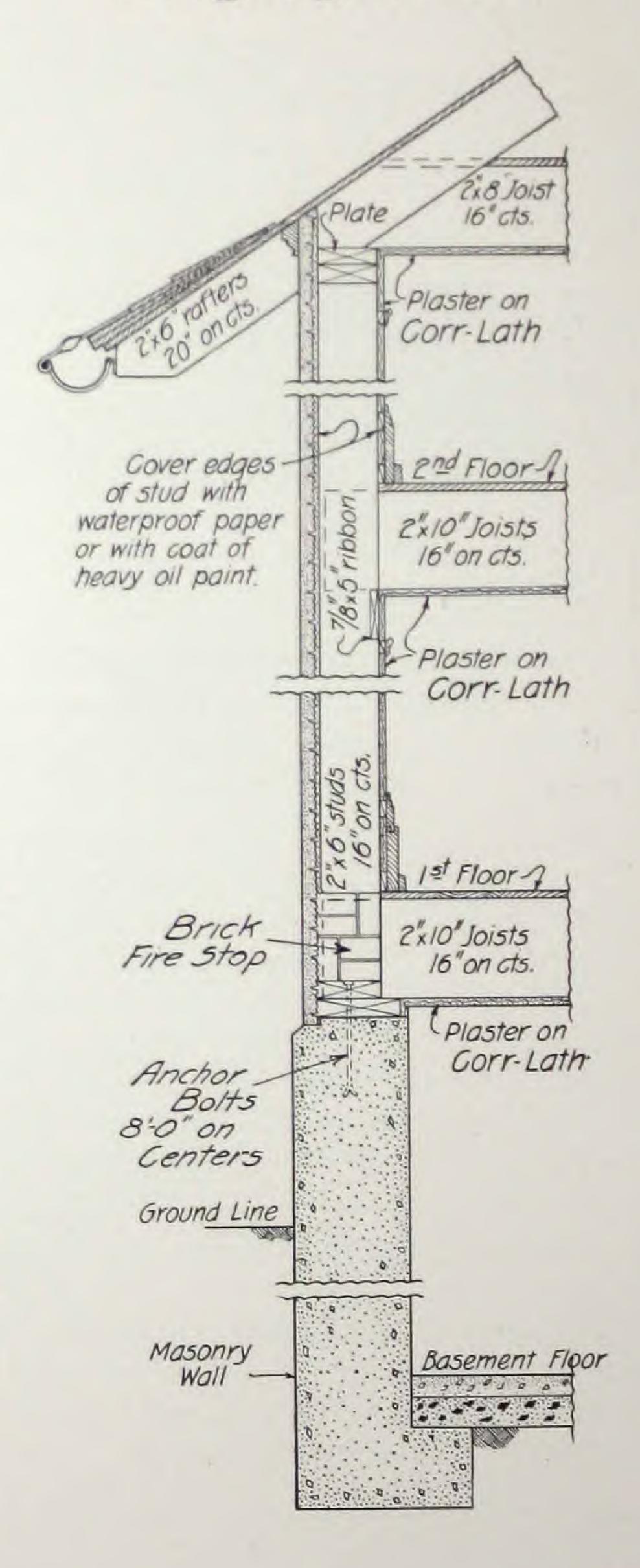
This is the strongest and most permanent type of construction known. It will not crack, the metal of Corr-Mesh having the same coefficient of expansion as the cement mortar. The advantage of this over the usual ¾-inch plaster coating on light lath is obvious. If Corr-Lath is used for the inner side of the wall (designing details page 40–41) and plastered according to specifications on page 42, an insulating space of unusual efficiency is furnished against heat in summer and cold in winter.

Designing details and complete specifications on following pages.

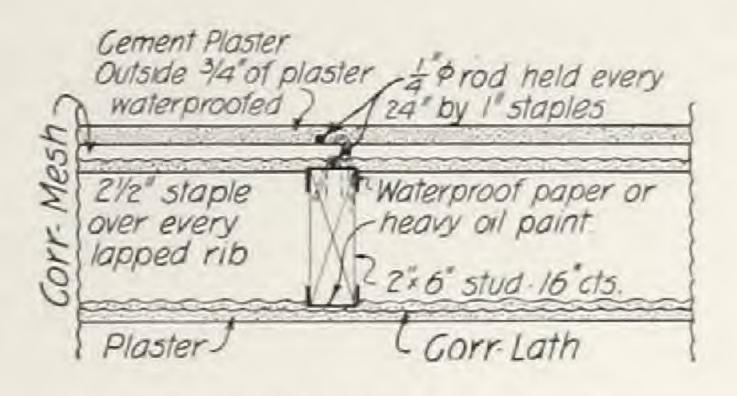
CORR-MESH with cement mortar is also applicable for garages, stables and other outbuildings, fences, troughs, tanks and other similar purposes. These are covered on pages 48 to 51.

If you are interested in residence construction, write us describing your building and requesting our "Monograph on Stucco Construction."

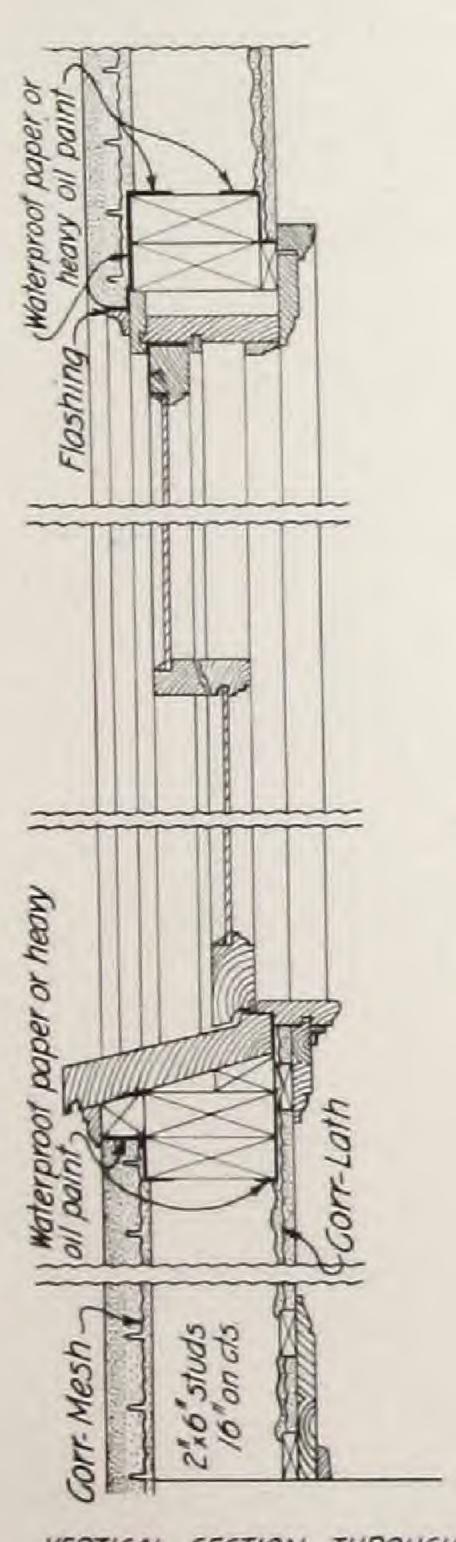
Designing Details



Designing Details

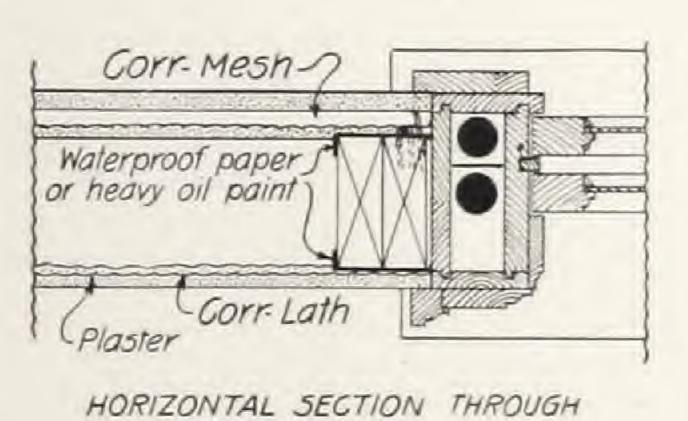


HORIZONTAL SECTION THROUGH EXTERIOR WALL



VERTICAL SECTION THROUGH WINDOW

Window Frame without Exterior Casing



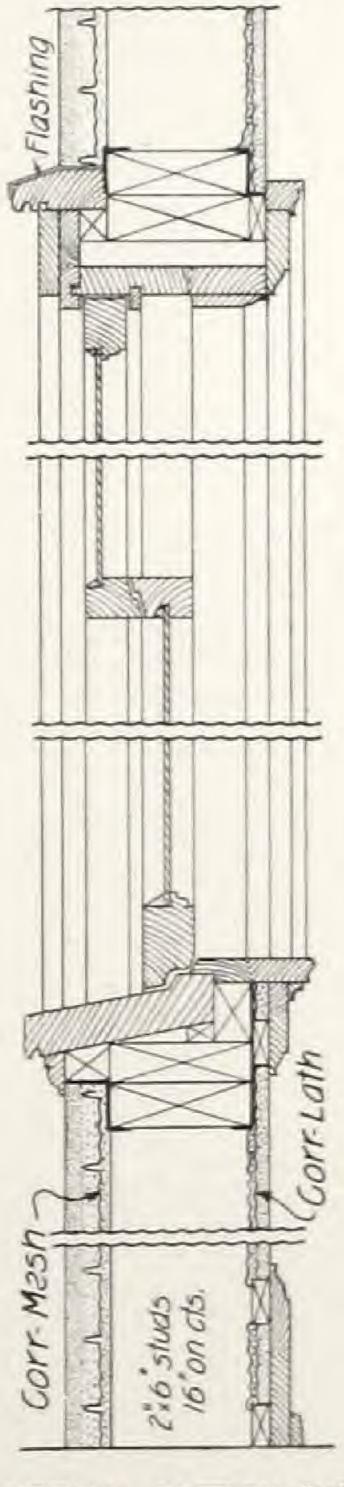
WINDOW JAMB

Waterproof
paper or
heavy oil
paint

Plaster-

Corr-Lath

HORIZONTAL SECTION THROUGH WINDOW JAMB



VERTICAL SECTION THROUGH WINDOW

Window Frame with Exterior Casing

Specifications

Framework

Wooden framework of structure shall be standard as for ordinary framework for residences.

Studs shall be spaced not more than 24 inches center to center.

The faces of the studs, and for one inch back of the face on each side where the plaster may come in contact with them, shall be thoroughly waterproofed with waterproof paper, tar, asphalt or waterproofed paint.

Sheathing

No sheathing boards shall be used. The Corr-Mesh shall be fastened direct to the studding and back-plastered.

Furring

1/4-inch diameter rods shall be fastened direct to the studding, using 1-inch No. 14 gauge staples placed 24 inches apart.

Corr-Mesh

CORR-MESH of gauge, galvanized or painted, with ribs ³/₄-inch high spaced not more than ³/₄ inches center to center, manufactured by the Corrugated Bar Company, Buffalo, N. Y., shall be used.

Place Corr-Mesh, with rib side out, horizontally over the ¼-inch diameter furring rods, driving 2½-inch No. 14 gauge galvanized staples over every other rib and over the furring strips into the studding. Each rib shall be fastened at every other stud. The outside ribs of adjacent sheets shall be interlocked. Ends of sheets shall lap 6 inches and all ends of ribs shall be fastened together by punching with the Corr-Mesh Hand Punch or wiring.

Corners

There shall be strips of Corr-Lath bent around the corners and stapled over or wired to the Corr-Mesh.

Cement Plaster, Application and Protection

See pages 22 and 23.

Finish

The exterior finish for the outer wall may be smooth troweled, stippled, sand floated, sand sprayed, splatter dash, pebble dash, or any other cement or stucco finish desired.

Inner Side of Wall

Write us for a copy of the "Monograph on Stucco Construction," giving complete specifications for Solid Stucco houses.



Stucco Veneer Residences

Where a stucco residence of excellent quality and moderate first cost is desired, Corr-Mesh Lath (ribs ½-inch high) is fastened to the timber sheathing and plastered with cement mortar. This gives a very handsome finish, is economical, does not crack and, together with Corr-Lath for the inside of the wall and plastered according to specifications, affords an excellent insulation against heat in summer and cold in winter.

The ribs run horizontally and serve as longitudinal temperature reinforcements from end to end of wall, thus preventing cracks.

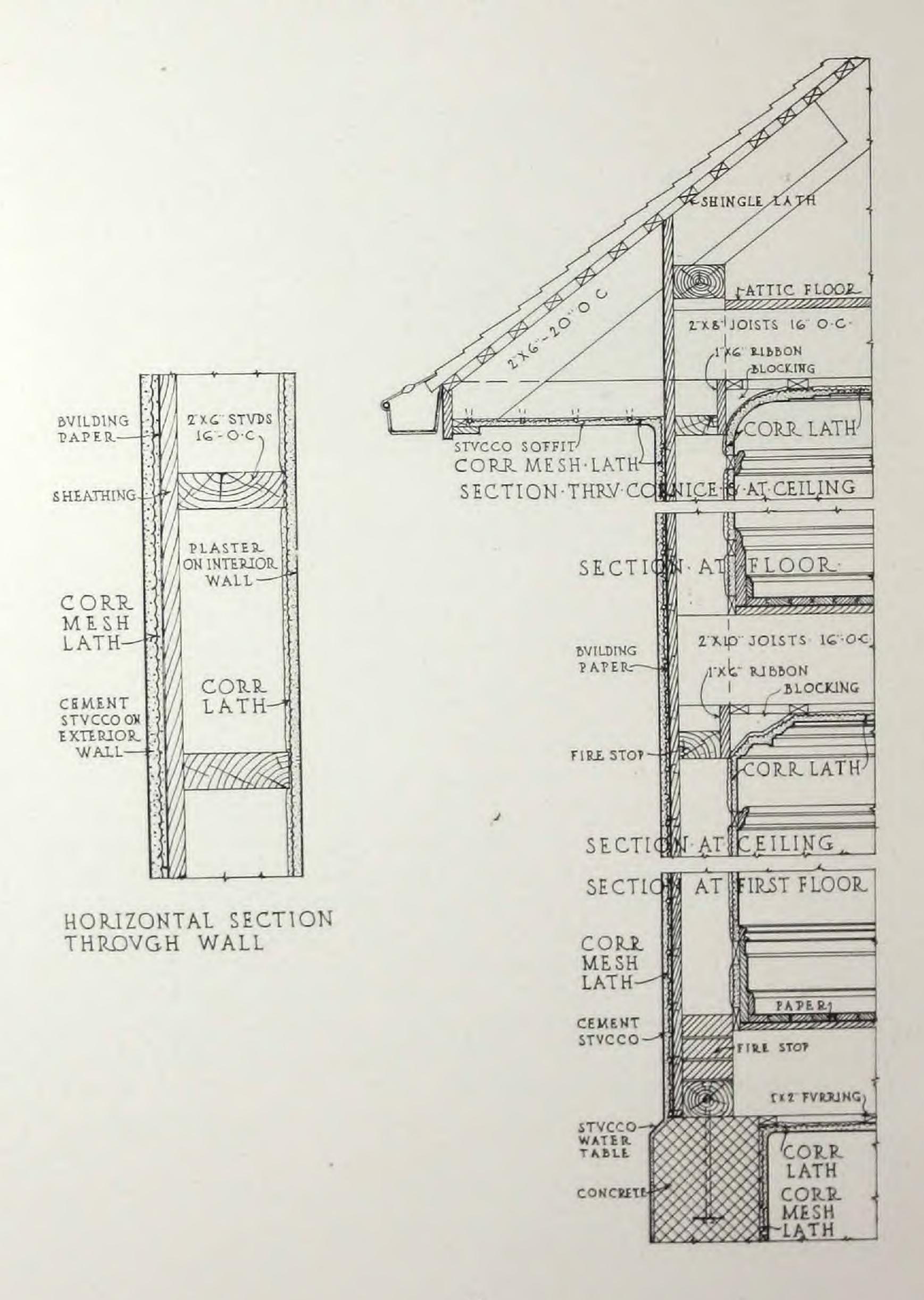
The tensile strength and coefficient of expansion of Corr-Mesh Lath per foot of width are equal to those of a ¾-inch thickness of stucco for the same width, thus making the cement and steel absolutely a unit in expansion and contraction. The slight and very gradual slipping of the stucco over the sheathing, caused by changes of temperature, is thus permitted without cracking. The ribs hold the mesh away from the wall a sufficient distance for the plaster to key perfectly on the inside of the mesh, eliminating metal or wood furring strips. This increases speed and reduces cost of erection.

In Corr-Mesh Lath, the Mesh is stiff and smooth and the plaster can be spread rapidly.

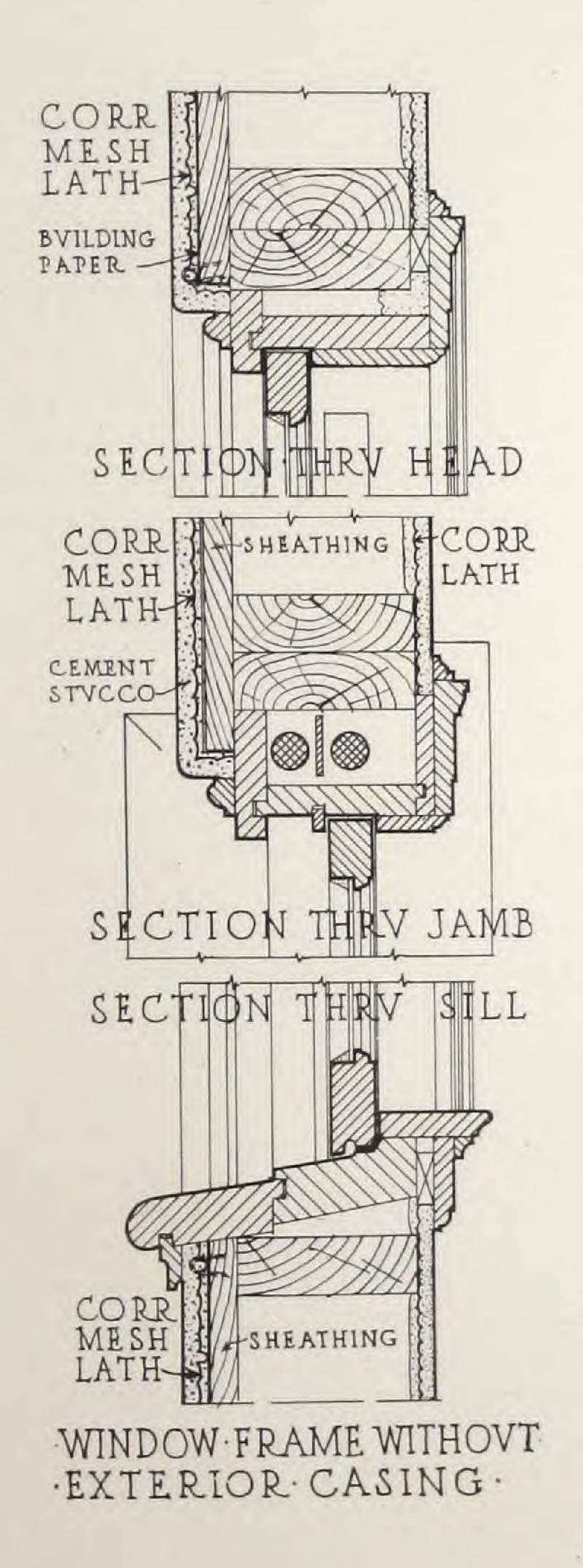
Designing details and specifications on following pages.

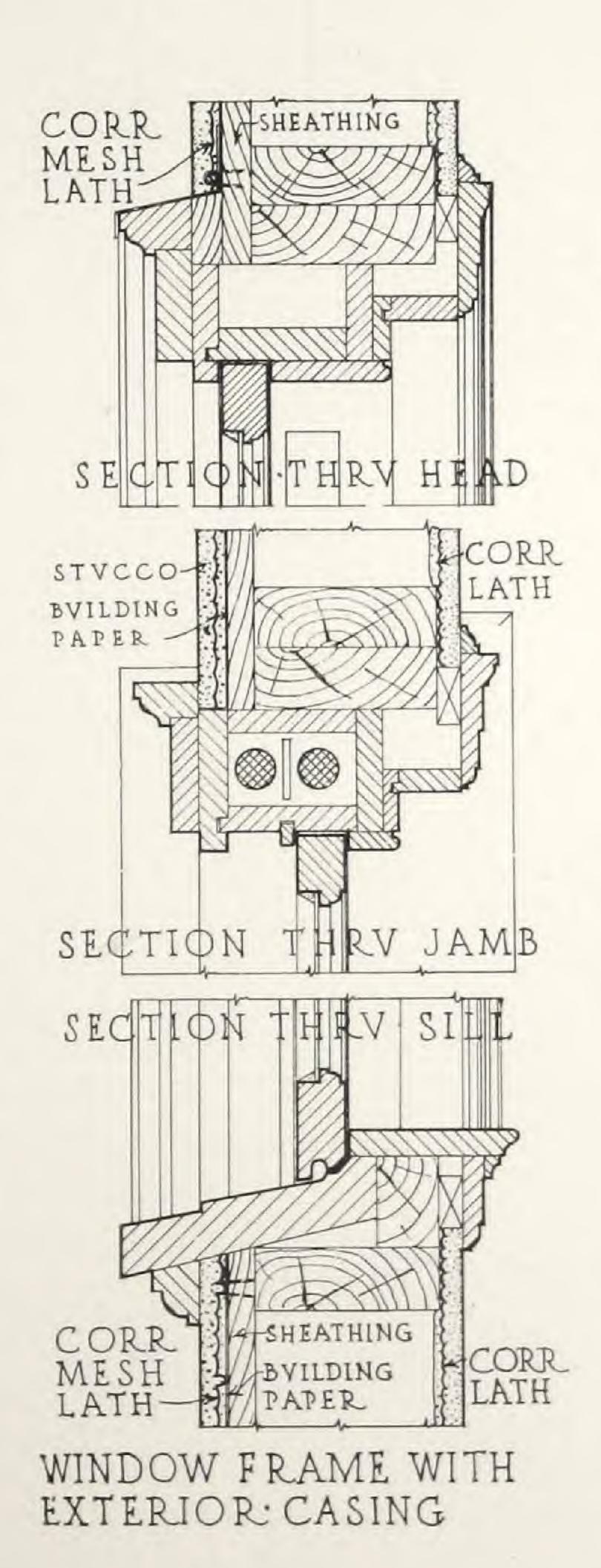
If you are interested in residence construction, write us describing your building and requesting our "Monograph on Stucco Construction."

Designing Details



Designing Details





Specifications

Framework

Wooden framework of structure shall be standard, as for ordinary framework for residences. Studs spaced 16 inches center to center.

Sheathing

Sheathing boards shall be not less than 6 inches nor more than 8 inches wide, dressed one or both sides to a uniform thickness of 7/8-inch. They shall be laid diagonally across the wall studs and fastened with two nails at each stud.

Waterproofing

A substantial paper well impregnated and thoroughly waterproofed with tar or asphalt shall be laid in horizontal layers over the sheathing.

Furring

No furring strips required; Corr-Mesh Lath ribs act as furring.

Corr-Mesh Lath

CORR-MESH LATH of gauge, with ribs 5 inch high spaced not more than 3 inches center to center, galvanized or painted, manufactured by the Corrugated Bar Co., Buffalo, N. Y., shall be used.

Application of Corr-Mesh Lath

Place Corr-Mesh Lath with the rib side in, horizontally over the waterproof paper, driving 1½-inch No. 14 gauge galvanized staples over every second rib. Staples to be placed in vertical rows not over 20 inches apart, each rib being fastened by every other vertical row of staples. The outside ribs of adjacent sheets of Corr-Mesh Lath shall be interlocked, and sheets shall lap at the ends at least 6 inches and a staple be driven over the ends of each rib.

Corners

There shall be strips of Corr-Lath bent around the corners and stapled over the Corr-Mesh Lath.

Cement Plaster

Same as specified on pages 22 and 23.

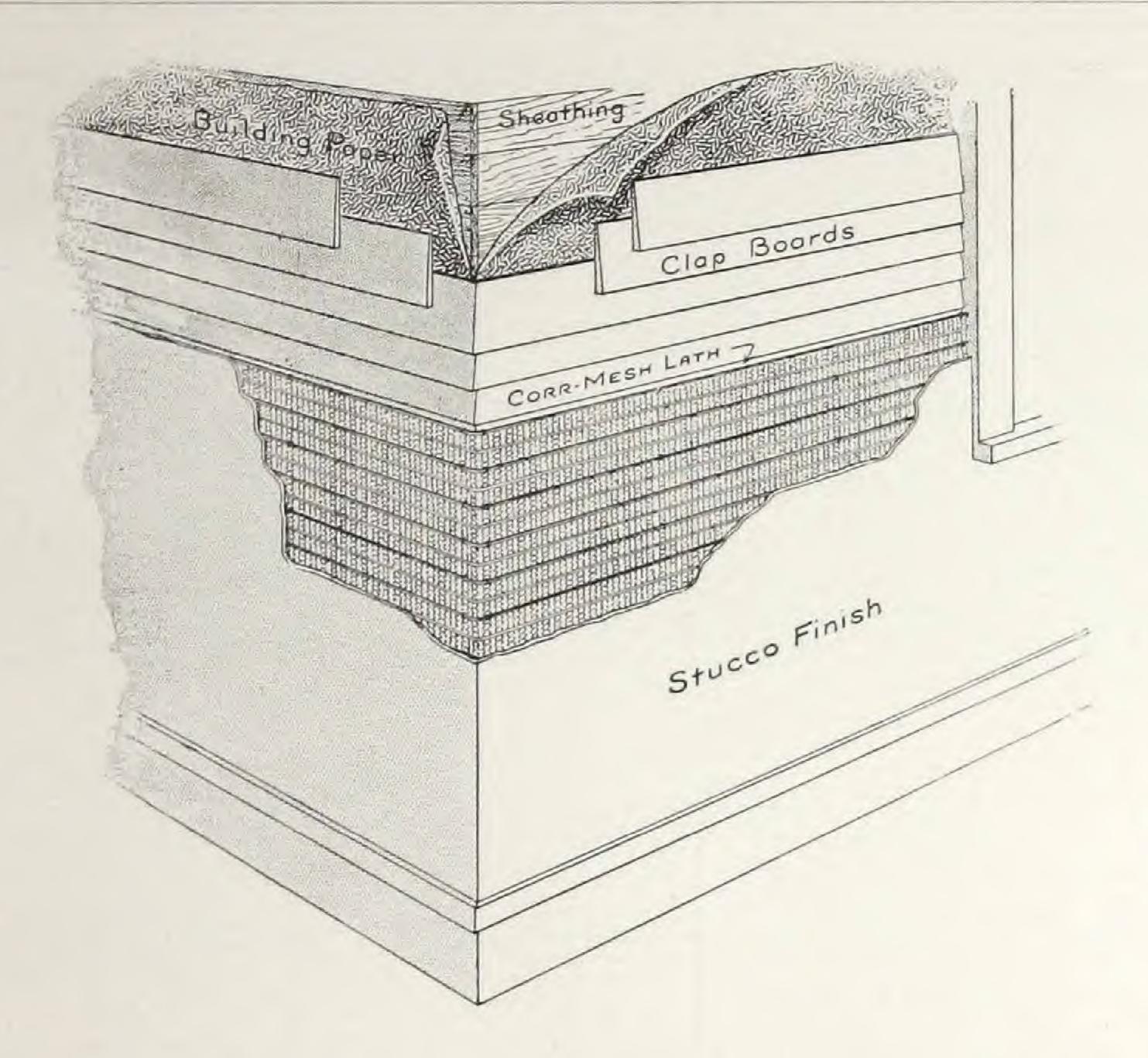
Application of Cement Plaster

The first coat shall be applied on the Corr-Mesh Lath and thoroughly pushed through so as to completely embed the mesh of the lath on both sides. The first coat shall have a minimum thickness over the lath at any point of not less than ¼-inch. The intermediate coat, which shall be put on as soon as possible after the first coat has set, shall have a thickness of not less than ¼-inch nor more than ¾-inch. The final coat shall have a thickness of ¼-inch when plastered over an intermediate coat, or of ¾-inch when plastered directly on the scratch coat.

Protection and Finish: See pages 23 and 42.

Inner Side of Wall: See page 42.

Write us for a copy of the "Monograph on Specco Construction," giving complete specifications for Stucco Veneer houses.



Stuccoing Old Wooden Houses

Old wooden houses may be transformed at small cost into beautiful stucco residences at greatly increased value by Corr-Mesh Lath and cement mortar.

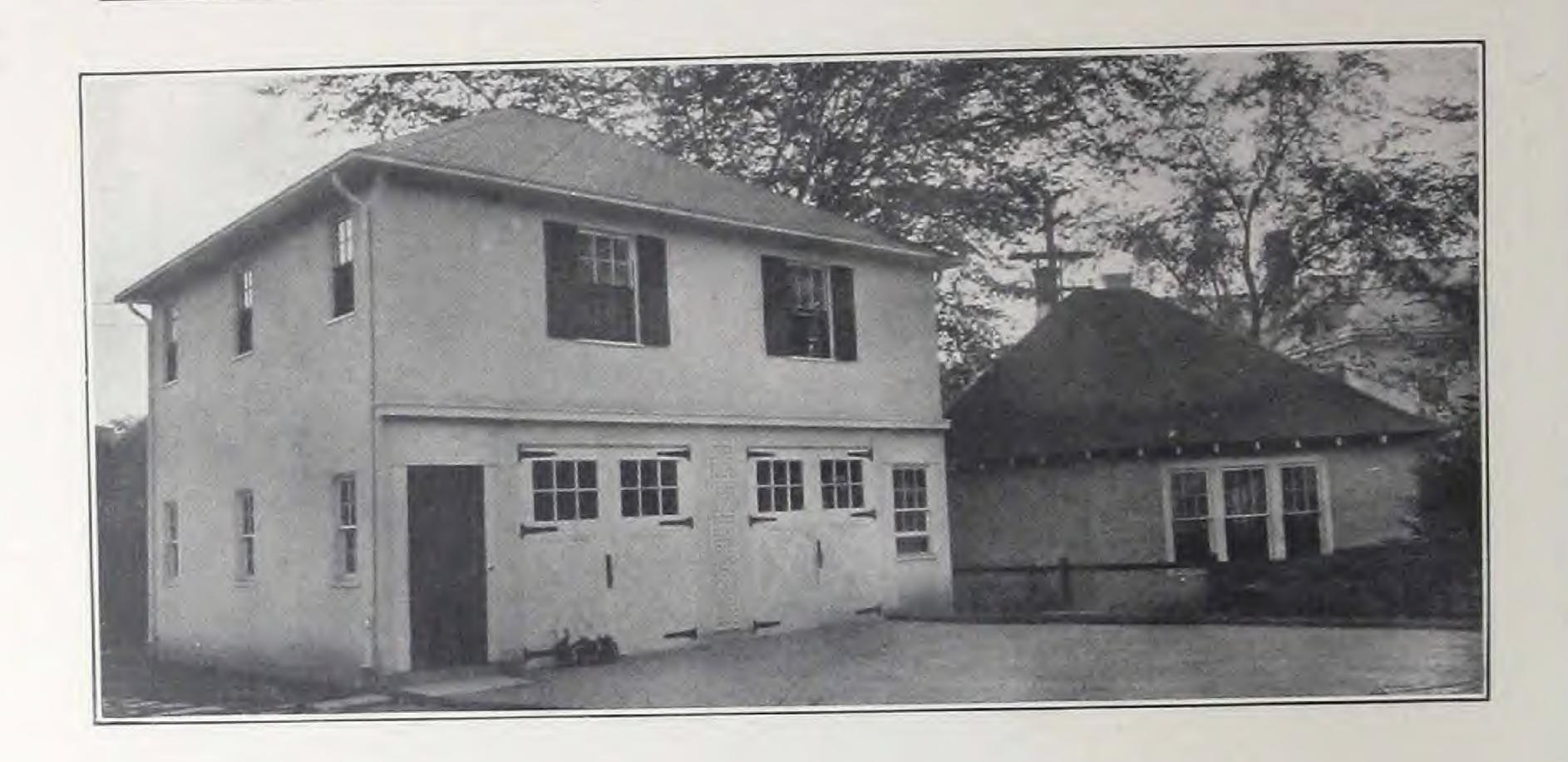
Corr-Mesh Lath (ribs $\frac{5}{16}$ -inch high) is both lath and furring. It is fastened against the old siding with the ribs in; this holds the mesh away from the wall and leaves plenty of space for the plaster to key perfectly on the inside of the mesh.

The sheets are placed horizontally and the ribs act as temperature reinforcement as explained on page 43.

The corners may be reinforced by lapping Corr-Lath over the Corr-Mesh Lath and wiring, but this is not necessary if the ribs are bent and run continuous around the corner as shown by the above illustration.

Corr-Mesh Lath, due to the close spacing of the ribs, makes a firm surface on which to spread the plaster. It can be readily cut to fit around openings, corners, etc., where the old trim may be replaced by either a new and heavier trim or plastered corners.

For specifications for mixing the cement plaster and protecting the finished work, see pages 22 and 23.



Garages, Stables, Outbuildings

Garages, stables and outbuildings of solid stucco construction with Corr -Mesh are low in cost, permanent and free from repair expense.

The framework may be either of timber or, if desired to have absolutely fireproof, of light structural steel or reinforced concrete. Where timber frame is used the details on pages 39, 40, 41 and 42 may be followed.

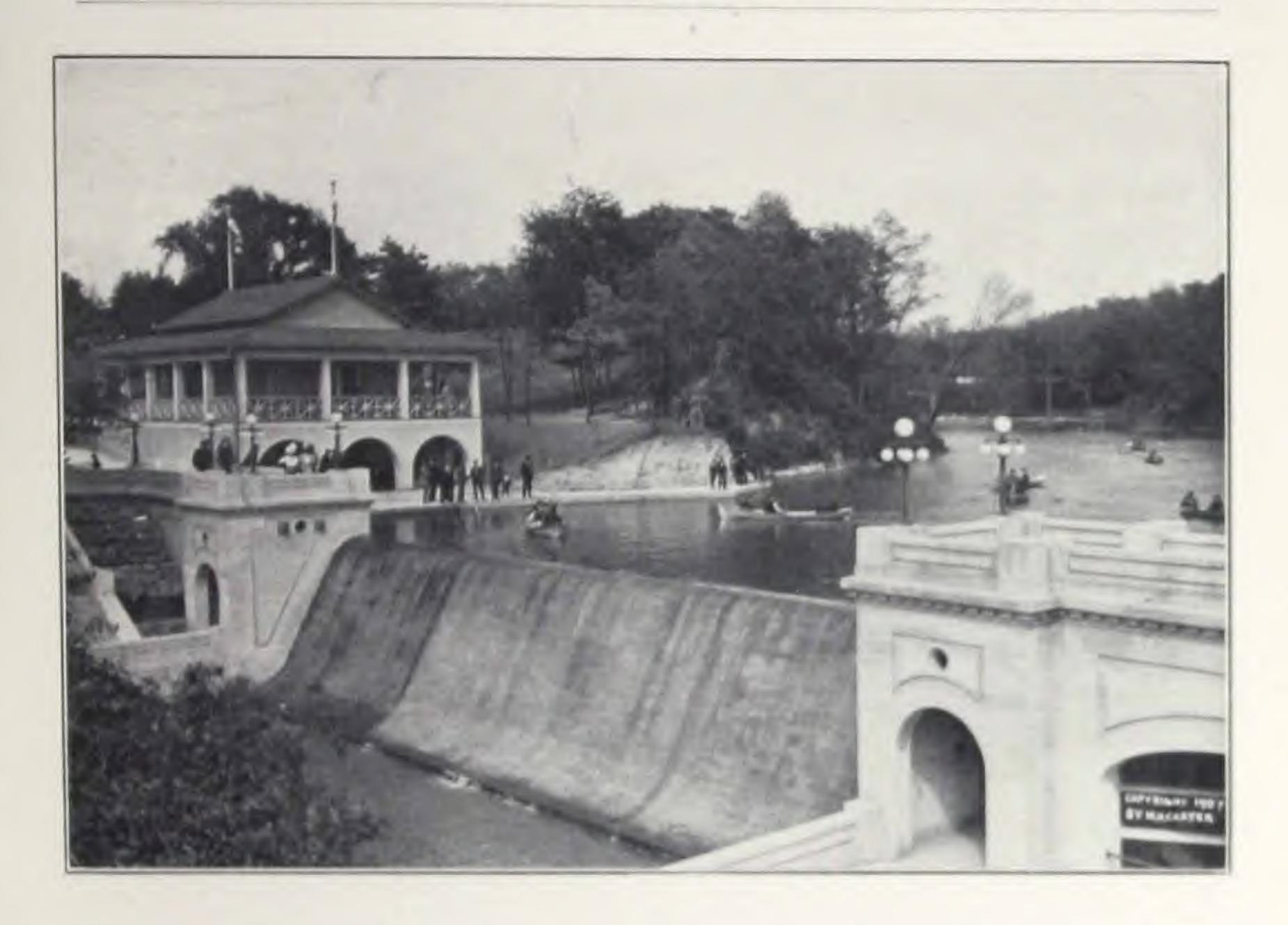
This construction is readily adapted to any style of architecture or finish and can be made to harmonize with any surroundings. They are frequently built with light structural steel frames and have an asbestos shingle roof.



Corr-Mesh in Place Receiving First Coat of Plaster



Finished Garage

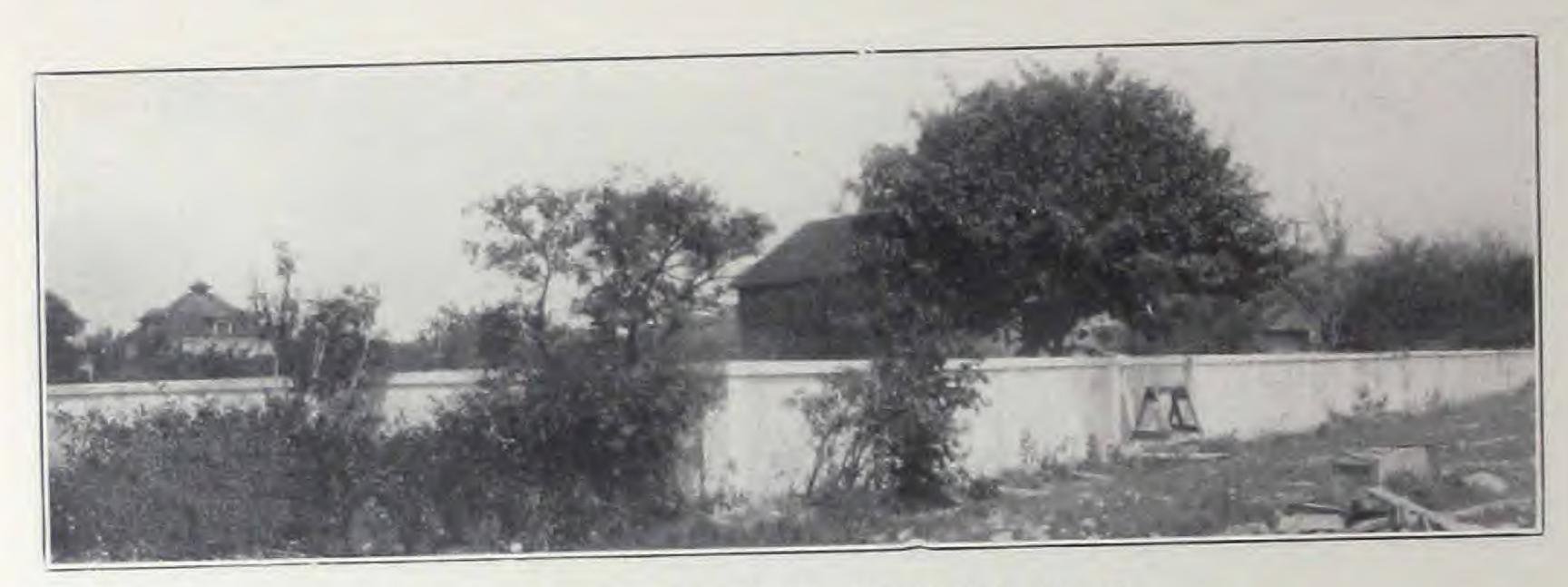


Amusement Park and County Fair Buildings

For buildings of this class fireproofing is very important as no insurance can be obtained on them. The opportunity for fire is enormous. One plant has been wiped out completely four times in the last ten years.

Corr-Mesh with cement mortar applied to wooden frames makes an inexpensive but attractive construction, furnishing a building which is fireproof and insurable.





CORR-MESH FENCE, BUFFALO, N. Y.

Fences

A CORR-MESH fence always presents an artistic and substantial appearance. While first cost is somewhat greater than wood, the expense of repairs and occasional renewal is entirely eliminated, and in the end this style of fence will prove a profitable investment.

In post construction, several sheets should be laid flat, with the outside adjoining ribs interlocked and securely pinched together, the total width being made equal to the perimeter of the posts.

For square posts, bend the Corr-Mesh so that there will be a large rib at each corner of the post.

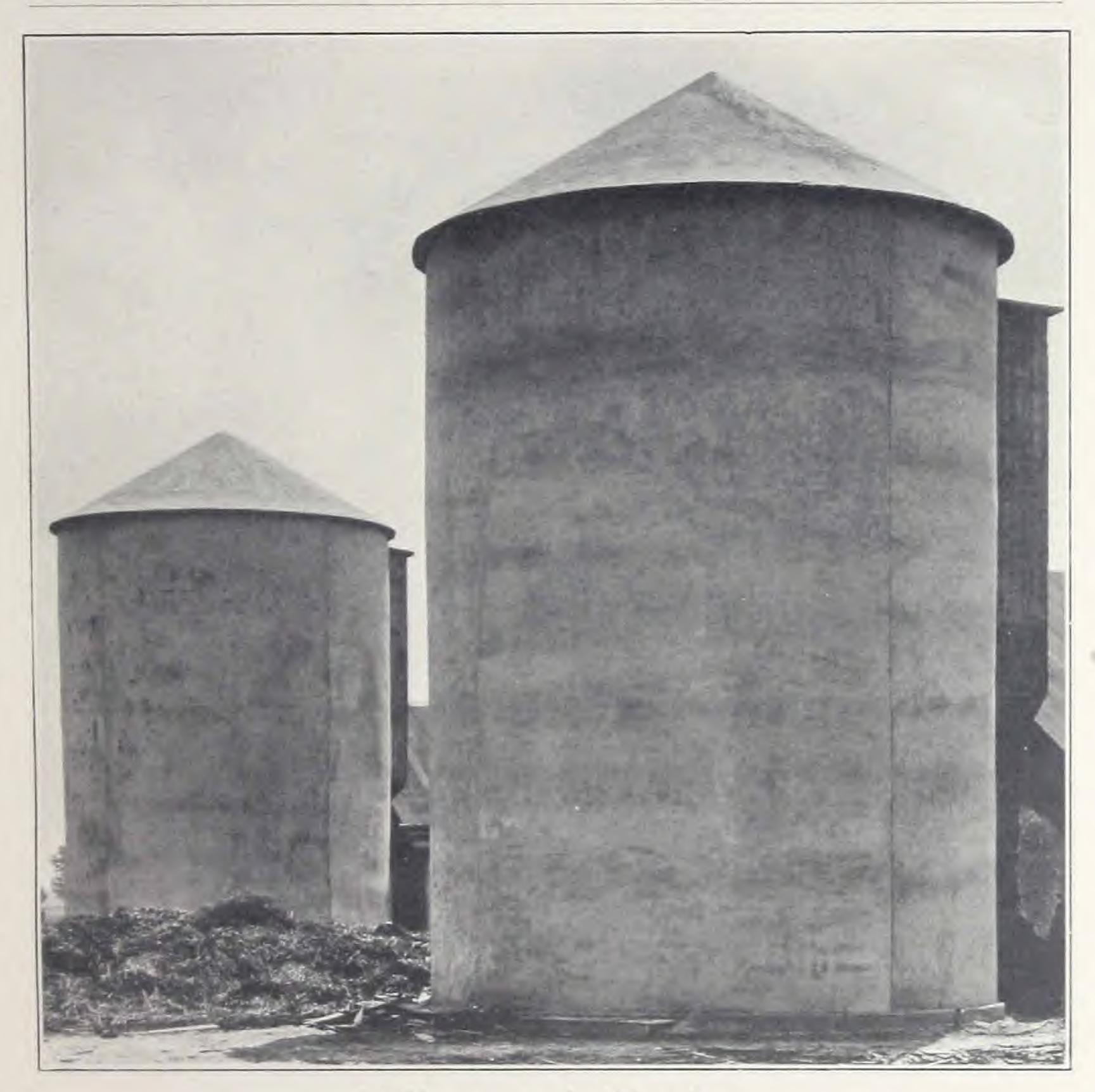
For round posts, these sheets naturally spring around to a true circle. Lock the outside meeting ribs as previously described.

Securely wire sheets forming panels to the Corr-Mesh post reinforcement.

Fill inside of post with concrete, and cement plaster the outside.

For detailed specifications covering application of cement plaster, refer to pages 22 and 23.

Write us fully, and we will submit details to meet your requirements.



Silos and Tanks

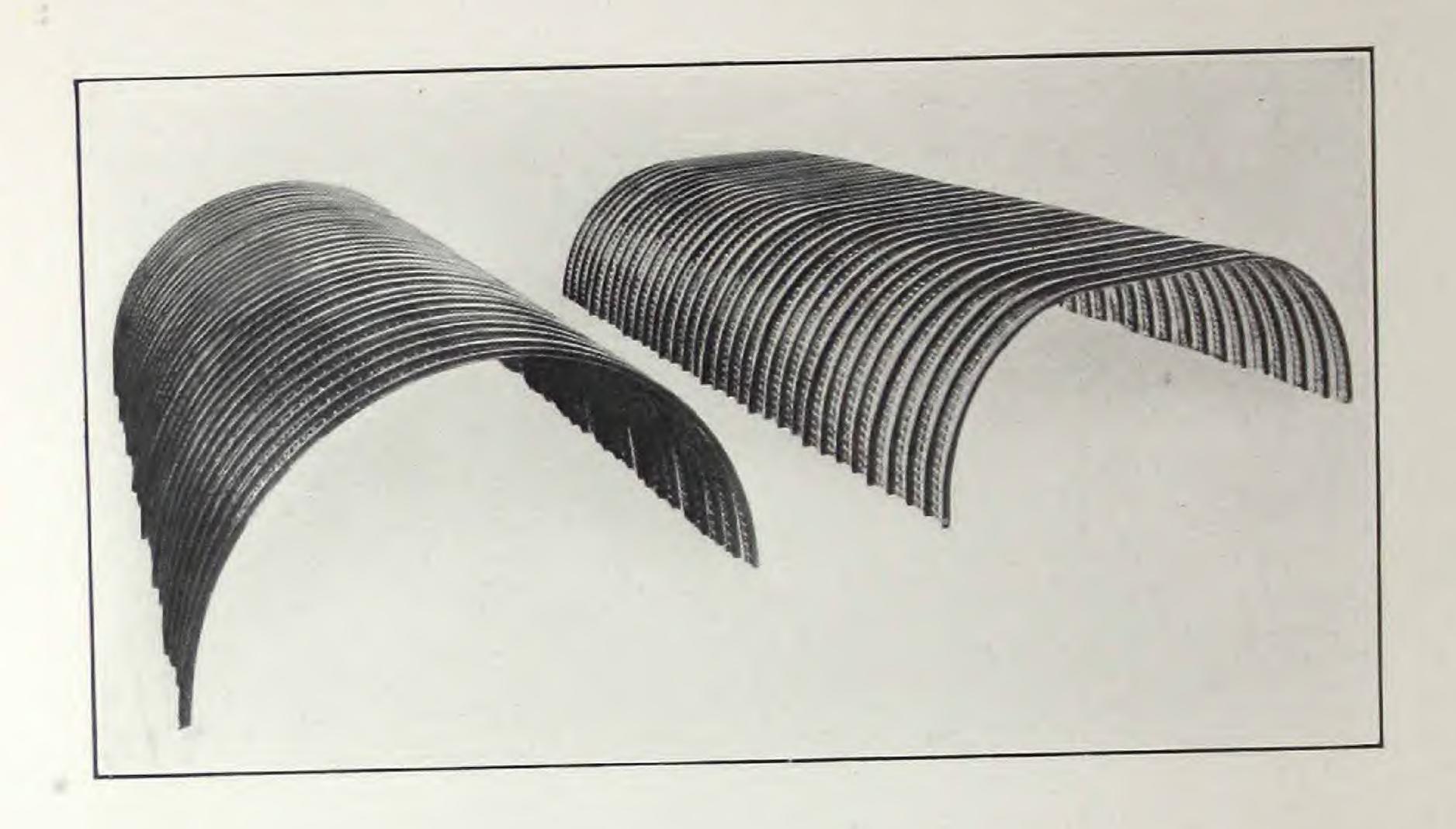
Corr-Mesh provides a very strong, stiff wall for silos, tanks, reservoirs, etc. Corr-Mesh sheets are furnished bent to exact radius at the shops, and should be set up on edge with outside ribs interlocked and securely pinched together.

CORRUGATED BARS, spaced 2 to 3 feet apart, should be placed in a vertical direction on the inside of the tank securely wired to the Corr-Mesh. These bars will serve to line up the sheets and provide additional

stiffness for the wall.

CORR-MESH sheets should be placed with the ribs outside and plastered to a total thickness of at least 2½ inches. Both inside and outside surfaces should be finished with a ¾-inch coat of cement mortar, waterproofed with Corr-Bar-O Base, as directed by printed specifications of the manufacturer.

For complete detailed specifications covering application of cement plaster, refer to pages 22 and 23.



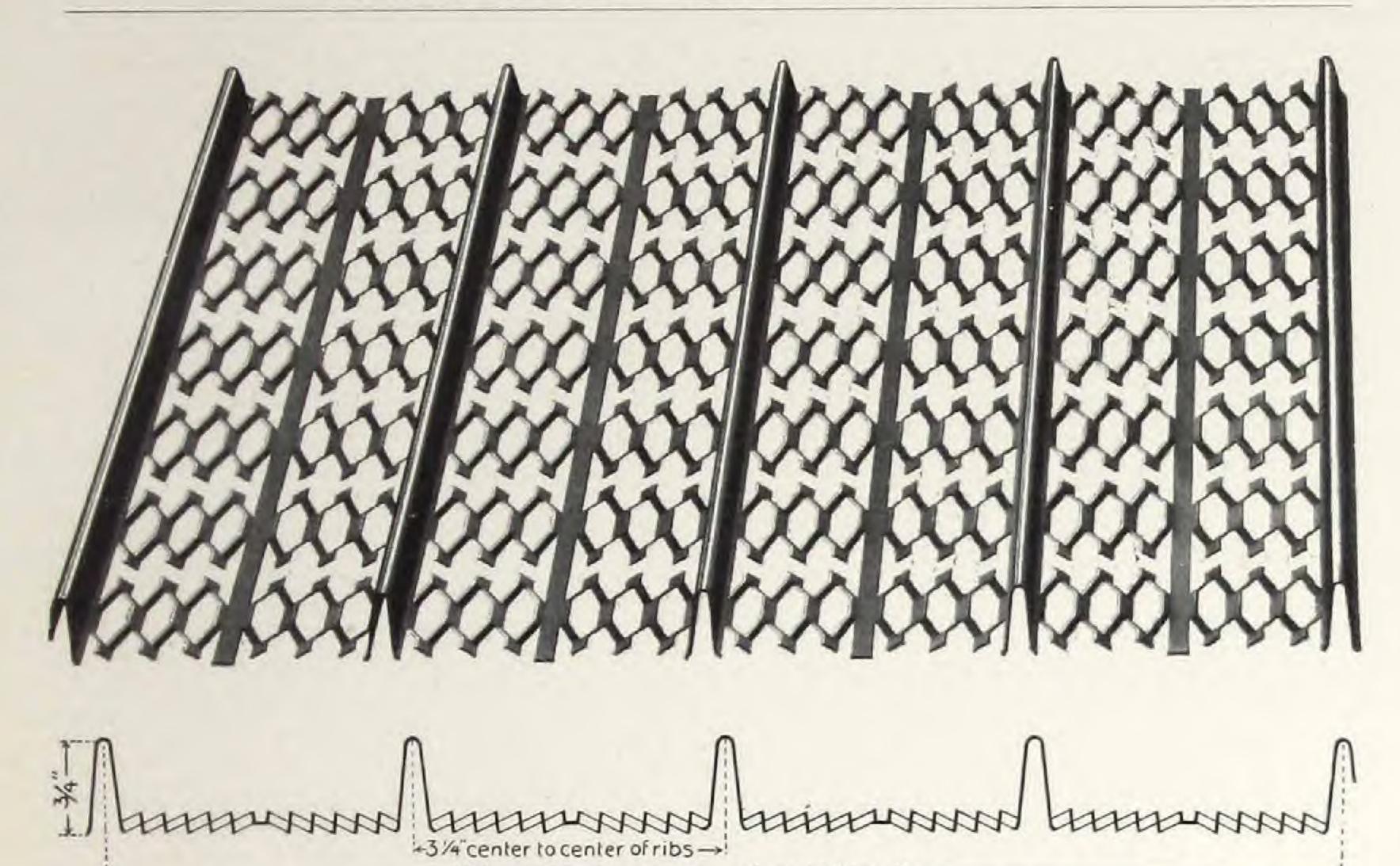
Conduits, Sewers and Culverts

CORR-MESH is used very extensively in the construction of sewers and conduits, making them indestructible and repair-free. They are easily, rapidly and economically built, as the great expense of circular centering is entirely dispensed with.

The sheets of Corr-Mesh, bent at the shop to proper radius, are set in position with the outside ribs interlocked and cement mortar then plastered on inside and outside to a total thickness of 2 to 3 inches.

Longitudinal rods, wired to the ribs, should be spaced about 24 inches apart to provide for shrinkage and temperature changes.

For detailed specifications covering application of cement plaster refer to pages 22 and 23.



Corr-Mesh — The Material

Detailed Information on Corr-Mesh Ribs 3/4-inch high

Gauges

U. S. Gauges No. 24, No. 26 and No. 28 carried in stock. Other gauges can be furnished special if required.

Lengths of Sheets

6, 8, 10 and 12 feet. We will cut to any intermediate length without additional charge, but waste incurred in cutting from nearest standard length will be charged to purchaser.

Labs

In ordering, make no allowance for side laps, as ribs interlock and material for side laps is included in the 13 inches center to center of outside ribs. See various specifications for end laps.

Protection

All Corr-Mesh shipped painted unless ordered otherwise. Galvanized Corr-Mesh (ribs ¾-inch high) can be furnished on special order.

Bundles

Sixteen sheets to the bundle.

When ordering, be sure to state gauge, height of ribs, lengths of sheets, painted or galvanized, desired.

CORR-MESH-THE MATERIAL

Table I—Weights and Areas of Corr-Mesh Ribs 3/4-inch high

ENGTH	SQUARE FEET	Approximate weig	ht, painted, in pour	itts per and min
OF PER 100		GAUGE		
SHEETS	SHEETS	24	26	28
0'-3" 0'-6" 1'-0" 2'-0" 3'-0" 5'-0"	27.1 54.2 108.3 216.7 325.0 433.3 541.7 650.0	26 53 105 210 316 421 526 631	39 79 158 237 316 395 473	10 33 66 132 197 263 329 395 460
7'-0" 8'-0" 9'-0" 10'-0" 11'-0"	758.3 866.7 975.0 1083.3 1191.6 1300.0	736 842 947 1052 1157 1263	552 631 710 789 868 947	526 592 658 723 789
ADD FO	R GALVANIZED	16%	21%	25%

Standard Method Bending, Bundling and Crating Corr-Mesh



FIG. 1 Nearest Possible Approach to a One-piece Circle Opening 12 Inches



FIG. 2 Three-piece Circle

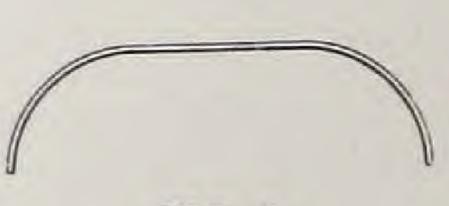


FIG. 3 Intermediate Portion Straight

Sheets may be ordered bent to any radius over 12 inches

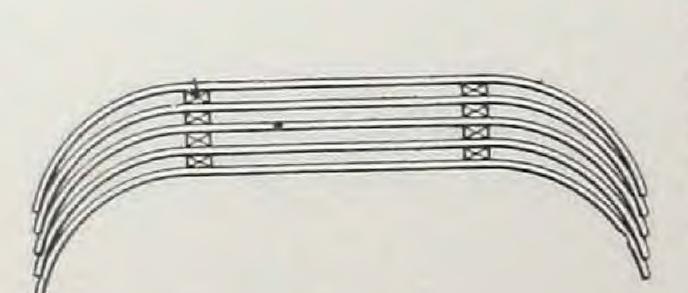


FIG. 4
Method Crating Sheets With
Arched Ends

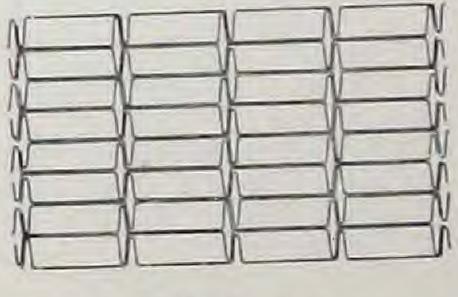


FIG. 5
Bundling for Flat Sheets
Can be Supplied in Minimum Carloads

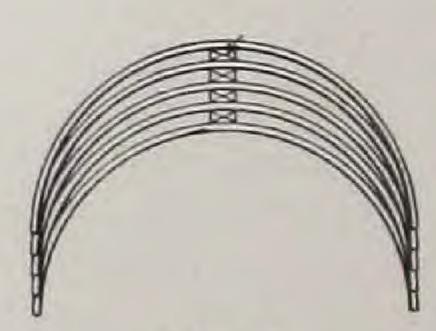
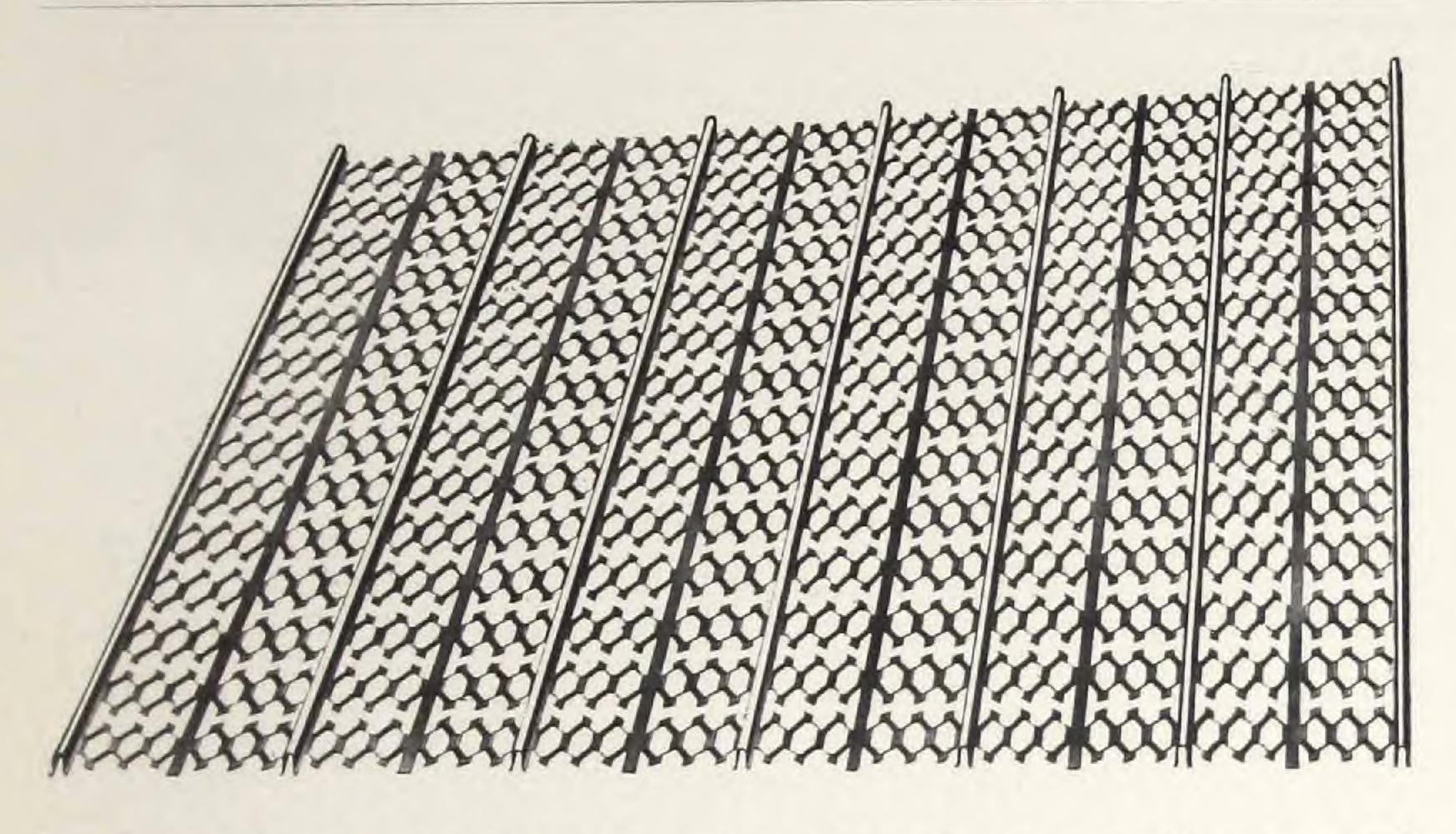


FIG. 6 Method Crating Arch Sheets



Corr-Mesh Lath - The Material

Detailed Information on Corr-Mesh Lath Ribs $\frac{5}{16}$ -inch high

Gauges

U. S. Gauges No. 24, No. 26 and No. 28 carried in stock. Other gauges can be furnished special if required.

Lengths of Sheets

6, 8 and 12 feet. We will cut to any intermediate length without additional charge but waste incurred in cutting from nearest standard length will be charged to purchaser.

Laps

In ordering, make no allowance for side laps, as ribs interlock and material for side laps is included in the 18 inches center to center of outside ribs. See various specifications for end laps.

Protection

All Corr-Mesh Lath shipped painted unless ordered otherwise. Galvanized Corr-Mesh Lath (ribs \(\frac{5}{16} \)-inch high) can be furnished from stock in 24, 26 and 28 gauges, sheets eight feet long. Other lengths can be furnished on special order.

CORR-LATH-THE MATERIAL

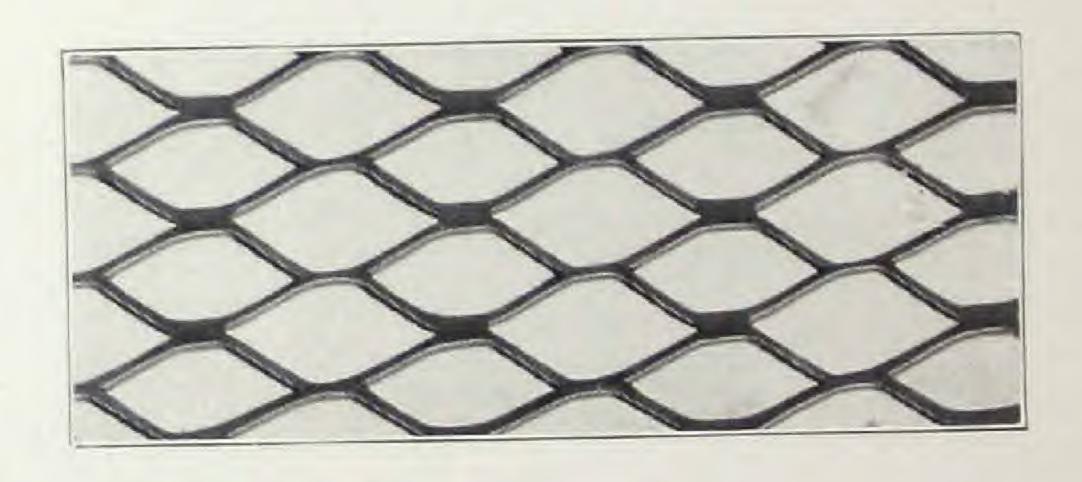
Bundles

12 sheets of the same gauge and length to the bundle. All shipments in quantities of even bundles. No broken bundles (less than 12 sheets).

Table II—Weights and Areas of Corr-Mesh Lath

Ribs $\frac{5}{16}$ -inch high

LENGTH SQUARE YDS OF PER BUNDLE SHEETS OF 12 SHEET	SOTTARE VDS	Approximate weight, painted, in pounds per bundle GAUGE		
	OF 12 SHEETS	24	26	28
6'-0" 8'-0" 12'-0"	12 16 24	67 90 134	51 67 101	42 56 84
	GALVANIZED	16%	21%	25%



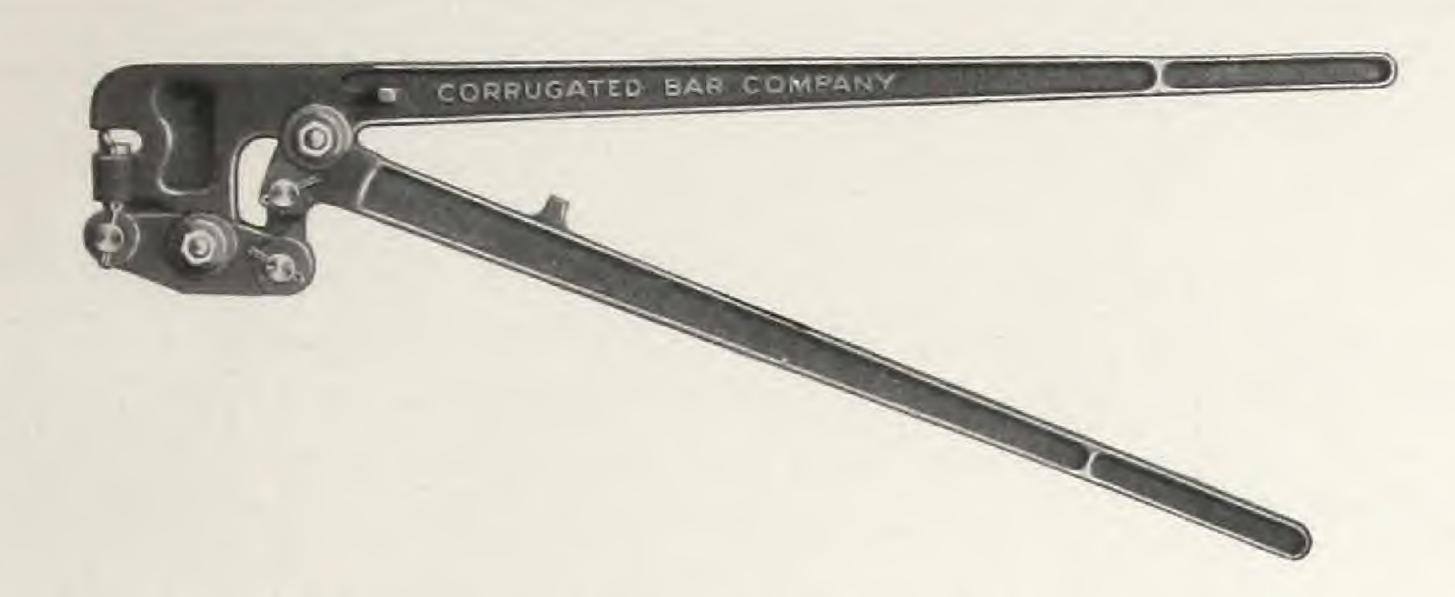
Corr-Lath-The Material

Corr-Lath gives perfect bond with a minimum of plaster. It is ideally adapted for use in all complicated curved work, wrapping columns or beams, furring, and ornamental plastering work. Corr-Lath can be furnished in 24, 25, 26 and 27 gauges.

Table IX—Approximate Weight per Square Yard

	Plain	Galvanized
27 Gauge	2.34 lbs.	2.8 lbs.
26 Gauge	2.50 lbs.	3.1 lbs.
25 Gauge	3.00 lbs.	3.6 lbs.
24 Gauge	3.40 lbs.	4.1 lbs.

Size of Sheet, 24" x 96". Packed 15 sheets to the bundle (262/3 square yards).

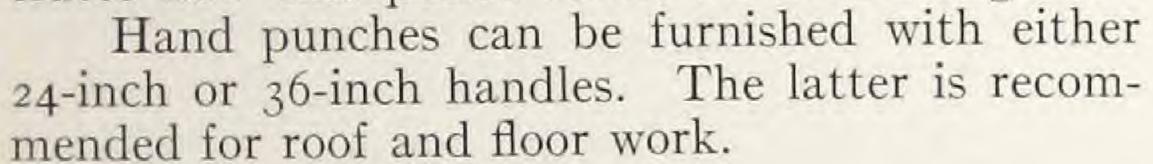


Corr-Mesh Hand Punch

For fastening together Corr-Mesh sheets

This punch is so constructed that it easily punches through several thicknesses of No. 24 gauge metal. In punching a hole through two or

more ribs of Corr-Mesh or Corr-Mesh Lath nested and pressed together, it causes the metal around the hole to interlock in such a manner as to securely fasten the ribs together, making a connection much stronger than wiring. The accompanying cut is from a photograph and illustrates how this punch locks the sheets together.





Corr-Mesh Hand Shear

For shearing Corr-Mesh sheets

It is often necessary to cut and fit Corr-Mesh or Corr-Mesh Lath on the job. With the Corr-Mesh Hand Shear the sheets can be easily cut without deforming the ends of the ribs. These shears are so light that a workman can easily carry them in one hand.



Channels and Prong Angles



Sheet Metal Channel



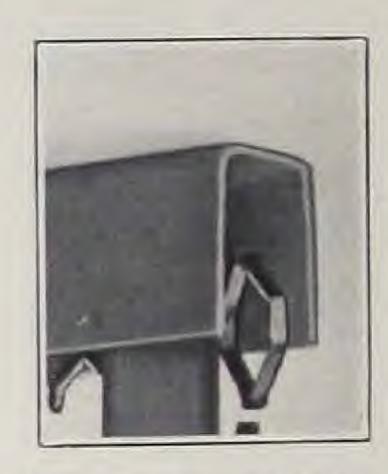
Prong Angle



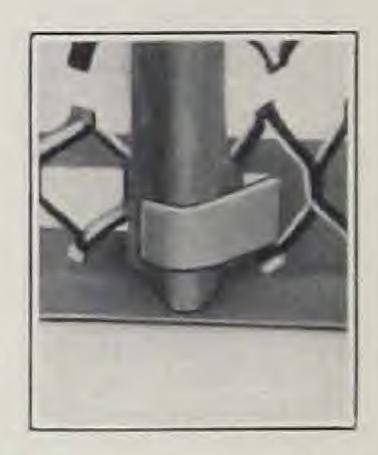
114-Inch Rolled Channel

The accompanying illustrations show the Sheet Metal Prong Angles and Channels for fastening Corr-Mesh partitions to floor and ceiling as shown on pages 12 and 13. We carry these Prong Angles and Channels in stock in 10-foot lengths and supply them at low cost.

We also carry in stock 11/4-inch rolled Channels for Corr-Mesh suspended ceilings (see page 37).



CORR-MESH Held by Channel



CORR-MESH Rib Held by Prong of Angle

Corr-Mesh Beam Hangers

CORR-MESH Beam Hangers, used on suspended ceilings for fastening the small rolled channels directly to the bottom flanges of I-beam stringers (see page 37), are carried in stock in sizes to fit the flanges of 4-inch to 12-inch standard I-beams, inclusive.



Hook Bolts and Ceiling Hangers

Hook Bolts and Ceiling Hangers (see page 37) are carried in stock and furnished at low cost.

The Ceiling Hangers can be furnished with hook bolts of any required length. These bolts, as shown by accompanying illustration, are supplied with double nuts and are threaded 21/2 inches for purpose of adjustment.



Corr-Mesh Wall Clips



FIG. 13

Wall Clips are for fastening Corr-Mesh to the sides of steel frame buildings. They are made with different openings between the jaws so that they can be used on any thickness of steel from $\frac{1}{4}$ inch to $\frac{9}{16}$ inch inclusive. The clips grip with such strength that they readily support, without slipping or sagging, several times as much weight as they are required to carry in practice.

These clips are accurately beveled to fit into the ribs of the Corr-Mesh. Type "A" is for use where the Corr-Mesh lies flat against the flange of the supporting stud (see Fig. 14). Type "B" is for use where the Corr-Mesh lies across the edge of the flange of the supporting stud (see Fig. 15).

CORR-MESH is fastened to type "A" clips by punching through the ribs with the special punch where the ribs cross the openings forming the jaws of the clip.

CORR-MESH is fastened to type "B" clips by punching the ribs through the holes in the backs of the clips.

The accompanying illustrations are photographs showing how these clips are used. The test weight hung as shown in Fig. 13 for several months, and was then taken down.



Wall Clip Type A



FIG. 14
Method of
Attaching
Corr-Mesh
with Wall
Clip A



Wall Clip Type B



FIG. 15
Method of
Attaching
Corr-Mesh
with Wall
Clip B

Corr-Mesh Roof Clips



Roof Clip

The Corr-Mesh Roof Clips securely fasten Corr-Mesh to structural steel purlins. The groove in the top of the clip is placed over a rib of the Corr-Mesh and the jaws grip the flange of the purlin (see Fig. 16). These clips are furnished with different openings between the jaws and fit over steel from $\frac{1}{4}$ inch to $\frac{7}{16}$ inch

thick inclusive.



FIG. 16
Method o
Attaching
Corr-Mesh
with Roof
Clip

They are put on entirely from above after Corr-Mesh is in place.



Corr-Bar-O Waterproofing Products

The moisture and water absorbent property of concrete is its one inherent fault, which, when eliminated, makes concrete construction acceptable where permanent waterproof and damp-proof results are necessary. This thirst of concrete for water is due primarily to the fact that cement and stone are both more or less porous, and experience has shown that no mixture of these constituents alone can form

an absolutely non-porous or water-tight mass.

The manner in which a concrete structure should be waterproofed depends largely upon such local conditions as temperature, atmosphere, soil, etc., in connection with the requirements which that particular structure will have to meet. No one waterproofing material is best suited for all conditions, but our chemists, working in conjunction with our corps of experienced engineers, have so prepared our line of Corr-Bar-O Waterproofing Products that there is no problem so complex but that the desired result can be economically obtained by the proper use of some of these products.

The Membrane Method, the Integral Method, and the Surface Coating Method are the three different ways by which concrete can be made waterproof, and each has its own particular field. Our products

cover all three of these methods.

No. 1—Corr-Bar-O Solid Cement

This product is a compound of the purest and most suitable paraffine-hydrocarbons that can be prepared, containing less than I per cent. of mineral matter. It is strong and elastic, a non-conductor of electricity, remains tough and waxy throughout an extremely great range of temperature and is able to permanently resist the action of sun and atmosphere, which tends to dry out and make brittle the asphalt and tarry materials.

The Solid Cement is not affected by either partial or constant immersion in water, and is unaffected by alkalies or such acids that are likely to come in contact with it. It is especially adapted for water-

proofing foundations, basements, etc., where the water is under but little hydrostatic pressure.

No. 2—Corr-Bar-O Waterproofing Felt

This product is a flexible sheet of waterproofing material consisting of a high-grade wool felt carefully saturated with Corr-Bar-O Solid Cement.

Corr-Bar-O Felt is especially adapted for waterproofing swimming pools, tunnels, reservoirs, and other structures where it is necessary to provide an absolutely permanent waterproofing membrane capable of withstanding a pressure of several hydrostatic feet.

No. 3—Corr-Bar-O Primer

This is a specially prepared black paraffine product. It is water repellant, and when applied to either the exterior or the interior of a wall, it seals up the pores and forms a tough damp proofing coating.

Corr-Bar-O Primer is unaffected by water, atmospheric gases, temperature, soil acids and sewage. It is especially adapted for damp-proofing basements, foundations, etc., that are not subjected to a direct hydrostatic pressure. Where there is water pressure a second coat should be applied.

No. 4—Corr-Bar-O Filler

This is a paraffine product especially compounded for cold application to surfaces of brick, concrete and stone masonry that are to be faced with stone, brick or other materials.

The discoloration and efflorescence of brick-work and masonry are usually caused by their absorption of alkali bearing waters from adjacent materials.

Corr-Bar-O Filler is damp-proof, is unaffected by alkalies and by such acids as are likely to come in contact with it in ordinary use, effectually seals up the surface pores of the materials to which it is applied, completely covers the surface and, at small cost, makes it impossible for moisture to get through into the facing materials.

No. 5—Corr-Bar-O Binder

This product is an especially prepared damp-proofing liquid which, when applied to the inside surface of brick, masonry or concrete, serves the double purpose of forming a positive bond between the plaster and the masonry, and of providing a continuous damp-proofing membrane which effectively protects the plaster from any dampness coming from without.

No. 6—Corr-Bar-O Water proofing Base (Integral Method)

This product is a white paste which is mixed into the water that is used to moisten the dry mixture of cement and aggregate. By stirring the Base thoroughly into the mixing water, a uniform distribution of the Base throughout the entire mass of the concrete is assured, and an efficient waterproofing is obtained at practically no additional expense other than the cost of the Base. The amount of Base necessary to effectually and permanently waterproof a mass of concrete is very small in proportion to the other materials used. The Base may be effectively employed in varied proportions as adapted to specific conditions. On heavy mass concrete construction five pounds of Base per cubic yard would be a maximum requirement.

Correlated by oils, alkalies, gases and the range of atmospheric temperature, and is not decomposed by such acids as are likely to reach the concrete. It is used for waterproofing dams, foundations, basements, concrete cisterns, conduits, sewer pipe, cement blocks, floors, cement

finish on basement floors, masonry, etc.

It is especially adapted for waterproofing old structures by being mixed in a rich mixture of cement and sand, and applied to the old masonry as an exterior coating.

No. 7—Corr-Lith

This is a preparation for the hardening of cement top finish and rendering the surface dust proof. It consists of crushed steel prepared by a special process and reduced to that degree of fineness ascertained to be the most efficient in practice.

Where Corr-Lith is used for hardening a topping coat 34-inch or more in thickness, the Corr-Lith shall be added in the proportion of

5 pounds of Corr-Lith to each sack of cement.

Where Corr-Lith is used for surface treatment, 15 pounds of Corr-Lith mixed with an equal weight of cement, should be dusted on an

area of 100 square feet.

Floors treated with Corr-Lith are so hard that the surface cannot be scratched with a knife, and their length of life is naturally, therefore, much greater than that of ordinary cement finish.

No. 8—Corr-Bar-O Liquid Damp-Proofing

This product is a transparent waterproofing liquid for coating the exterior and interior walls of completed structures. It penetrates into the pores, dries quickly, and gives the surface a slightly lighter and brighter shade.

Corr-Bar-O Liquid Damp-Proofing prevents efflorescence and neither stains nor discolors, making it possible to damp-proof brickwork, cut stone, stucco, concrete blocks, etc., without changing their color.

One gallon of Corr-Bar-O Liquid Damp-Proofing covers approximately 200 square feet with one coat.

CORR-BAR-O WATERPROOFING PRODUCTS

No. 9—Corr-Bar-O Interior Finishes

This product consists of a carefully graded line of white and colored

interior wall finishes.

The pigments selected for the manufacture of Corr-Bar-O Interior Finishes are the most durable that can be obtained, and have been chosen because of their ability to resist the alkali in the concrete. The oils used are unsaponifiable and unaffected by the action of moisture and dilute alkali and they have been manufactured with great care and attention. These Finishes have successfully withstood the most severe and rigid experimental tests, and are capable of serving the double purpose of damp-proofing as well as furnishing a satisfactory method of finishing concrete and plaster walls.

Color cards showing the seven different shades in which Corr-Bar-O Interior Finishes are furnished can be obtained on application. These shades include white, concrete gray, terra-cotta, deep green, etc., and may be used either singly or in combination. Other color effects can be

produced by mixing.

One gallon of Corr-Bar-O Interior Finish covers approximately 200 square feet with one coat.

No. 10-Corr-Bar-O Exterior Finishes

This product consists of a carefully graded line of white and colored exterior wall finishes.

The pigments selected for the manufacture of Corr-Bar-O Ex-Terior Finishes are the most durable that can be obtained, and have been chosen because of their ability to resist the alkali of the concrete. The oils are unsaponifiable and unaffected by the action of moisture, dilute alkali and atmospheric conditions, and have been manufactured with great care and attention. These finishes have successfully withstood the most severe and rigid experimental tests and are capable of serving the double purpose of damp-proofing as well as furnishing a satisfactory wall finish.

Corr-Bar-O Exterior Finishes are furnished in seven standard

shades. Color cards are furnished upon request.

No. 11—Corr-Bar-O Floor Enamels

This product is prepared from an extremely durable grade of pigment. It is unaffected by the alkali present in concrete, and is especially designed for damp-proofing and finishing cement floors in power plants, factories, warehouses and all constructions where concrete is used as a flooring material.

Corr-Bar-O Floor Enamels prevent the rapid disintegration and wearing away of concrete floors and the formation of that particularly objectionable dust which is always raised when concrete floors are swept. These Floor Enamels produce an elastic, tough, hard, glossy surface, are not affected by lubricating oils or water, and are easily cleaned.

CORR-BAR-O FLOOR ENAMELS are furnished in seven standard shades. Color cards are furnished upon request.

CORRUGATED BAR COMPANY

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